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OK protein - protein search, using sw model

Run on: June 4, 2004, 10:55:33 ; Search time 48 Seconds  
(without alignments)  
2455.852 Million cell updates/sec

Title: US-09-234-208b-2

Perfect score: 419  
Sequence: 1 METALGRNGLLALPPGA.....VGRGPPDAHVAVNLRYRG 419

Scoring table: OLIGO  
Gapop 60.0 , Gapext 60.0

Searched: 1155919 seqs, 28138677 residues

Word size : 0

Total number of hits satisfying chosen parameters: 929585

Minimum DB seg length: 0

Maximum DB seg length: 419

Post-processing: Listing first 45 summaries

Database :

Published Applications\_AA:\*  
1: /cgn2\_6/ptodata/2/pubpaa/US07\_PUBCOMB.pep:\*  
2: /cgn2\_6/ptodata/2/pubpaa/PCT\_NEW\_PUB.pep:\*  
3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep:\*  
4: /cgn2\_6/ptodata/2/pubpaa/US06\_PUBCOMB.pep:\*  
5: /cgn2\_6/ptodata/2/pubpaa/US07\_NEW\_PUB.pep:\*  
6: /cgn2\_6/ptodata/2/pubpaa/PCTUS\_PUBCOMB.pep:\*  
7: /cgn2\_6/ptodata/2/pubpaa/US08\_NEW\_PUB.pep:\*  
8: /cgn2\_6/ptodata/2/pubpaa/US08\_PUBCOMB.pep:\*  
9: /cgn2\_6/ptodata/2/pubpaa/US09\_PUBCOMB.pep:\*  
10: /cgn2\_6/ptodata/2/pubpaa/US09\_PUBCOMB.pep:\*  
11: /cgn2\_6/ptodata/2/pubpaa/US09C\_PUBCOMB.pep:\*  
12: /cgn2\_6/ptodata/2/pubpaa/US09\_NEW\_PUB.pep:\*  
13: /cgn2\_6/ptodata/2/pubpaa/US10\_PUBCOMB.pep:\*  
14: /cgn2\_6/ptodata/2/pubpaa/US10C\_PUBCOMB.pep:\*  
15: /cgn2\_6/ptodata/2/pubpaa/US10C\_PUBCOMB.pep:\*  
16: /cgn2\_6/ptodata/2/pubpaa/US10\_NEW\_PUB.pep:\*  
17: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB.pep:\*  
18: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	289	69.0	289	9	US-09-821-883-23 Sequence 23, Appli
2	191	45.6	191	10	US-09-441-411-9 Sequence 9, Appli
3	166	39.6	166	12	US-10-356-824-1 Sequence 1, Appli
4	166	39.6	166	12	US-10-600-152-1 Sequence 1, Appli
5	166	39.6	166	14	US-10-356-824-1 Sequence 1, Appli
6	166	39.6	166	14	US-10-406-925-1 Sequence 1, Appli
7	166	39.6	166	14	US-10-429-519-1 Sequence 1, Appli
8	160	38.2	164	15	US-10-412-804A-8 Sequence 8, Appli
9	83	19.8	419	12	US-10-344-470-2 Sequence 2, Appli
10	83	19.8	419	16	US-10-356-824-2 Sequence 2, Appli
11	32	7.6	32	12	US-10-600-152-2 Sequence 2, Appli
12	32	7.6	32	12	US-10-600-152-2 Sequence 2, Appli
13	32	7.6	32	14	US-10-356-824-2 Sequence 2, Appli
14	32	7.6	32	14	US-10-406-925-2 Sequence 2, Appli
15	32	7.6	32	14	US-10-429-519-2 Sequence 2, Appli

15	22	5.3	22	9	US-09-466-320-19	Sequence 19, Appli
17	22	5.3	68	9	US-09-466-320-11	Sequence 11, Appli
18	20	4.8	37	12	US-10-253-286-630	Sequence 630, App
19	20	4.8	37	15	US-10-245-871-630	Sequence 20, App
20	18	4.3	19	9	US-09-466-320-20	Sequence 20, Appli
21	18	4.3	65	9	US-09-466-320-12	Sequence 12, Appli
22	17	4.1	17	16	US-10-647-005-61	Sequence 61, Appli
23	17	4.1	79	12	US-10-344-470-1	Sequence 1, Appli
24	17	4.1	79	12	US-10-302-663-1	Sequence 1, Appli
25	16	3.8	16	12	US-10-253-286-577	Sequence 577, App
26	16	3.8	16	15	US-10-245-871-577	Sequence 577, App
27	15	3.6	15	9	US-09-888-721-21	Sequence 21, Appli
28	15	3.6	15	12	US-10-253-286-576	Sequence 576, App
29	15	3.6	15	12	US-10-253-286-635	Sequence 625, App
30	15	3.6	15	12	US-10-253-286-636	Sequence 626, App
31	15	3.6	15	12	US-10-668-400-12	Sequence 12, Appli
32	15	3.6	15	14	US-10-282-960-78	Sequence 78, Appli
33	15	3.6	15	15	US-10-245-871-576	Sequence 576, App
34	15	3.6	15	15	US-10-245-871-625	Sequence 625, App
35	15	3.6	15	15	US-10-245-871-626	Sequence 626, App
36	15	3.6	15	15	US-10-149-138-3720	Sequence 3720, App
37	15	3.6	15	15	US-10-149-138-3730	Sequence 3730, App
38	15	3.6	15	15	US-10-149-138-3732	Sequence 3732, App
39	15	3.6	15	15	US-10-149-138-3733	Sequence 3733, App
40	15	3.6	15	15	US-10-149-138-3741	Sequence 3741, App
41	15	3.6	15	15	US-10-149-138-3747	Sequence 3747, App
42	15	3.6	15	15	US-10-149-138-3749	Sequence 3749, App
43	15	3.6	15	15	US-10-149-138-3750	Sequence 3750, App
44	15	3.6	15	15	US-10-149-138-3757	Sequence 3757, App
45	15	3.6	15	15	US-10-149-138-3758	Sequence 3758, App

## ALIGNMENTS

RESULT 1  
US-09-821-883-23  
Sequence 23, Application US/09821883  
Patent No. US20020061310A1  
GENERAL INFORMATION:  
APPLICANT: Viduoc, Damir  
APPLICANT: Laus, Reiner  
APPLICANT: Graddis, Thomas  
TITLE OF INVENTION: Compositions and Methods for Dendritic  
FILE OF INVENTION: Cell-Based Immunotherapy  
FILE REFERENCE: 7636-0022.30  
CURRENT APPLICATION NUMBER: US/09/821,883  
CURRENT FILING DATE: 2001-03-30  
PRIOR APPLICATION NUMBER: US 60/193,504  
PRIOR FILING DATE: 2000-03-30  
NUMBER OF SEQ ID NOS: 30  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 23  
LENGTH: 289  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-821-883-23

Query Match	69.0%	Score 289	DB 9	Length 289
Best Local Similarity	100.0%	Pred. No. 3.4e-256		
Matches 289	Conservative 0	Mismatches 0	Indels 0	Gaps 0
DB	22	STOVCGTDMKRLRASPETHIDMKRHYOGQGVQVQGNLELYLPFTNASTSPFLODIOEVO	81	
DB	1	STOVCTGIDMKRLRASPETHIDMKRHYOGQGVQVQGNLELYLPFTNASTSPFLODIOEVO	60	
DB	82	GYVLIARNOVROVPIORLIRIVGTQLFEDNVAAVLVNDGDPINNTTPTVGTASPGGIRREIQ	141	
DB	61	GYVLIARNOVROVPIORLIRIVGTQLFEDNVAAVLVNDGDPINNTTPTVGTASPGGIRREIQ	120	
DB	142	LRSLTEILLKGVLIQRNPOLYQDTILMKDFHKKNNOLATLIDTNRSRACGCPMPCKG	201	
DB	121	LRSLTEILLKGVLIQRNPOLYQDTILMKDFHKKNNOLATLIDTNRSRACGCPMPCKG	180	

QY 202 SROMGSESDCOILRTYACAGGACRCKGPIPTDCHQCAAGCTGPKRSDCLACJHFNHS 261  
DB 181 SROMGSESDCOILRTYACAGGACRCKGPIPTDCHQCAAGCTGPKRSDCLACJHFNHS 240  
QY 262 GICELHCPALVYNTDTFESMNPGRGYTFGASCVTACPVYLTSDVGS 310  
DB 241 GICELHCPALVYNTDTFESMNPGRGYTFGASCVTACPVYLTSDVGS 289

## RESULT 2

US-09-441-411-9  
Sequence 9, Application US/09441411  
Publication No. US2003008342A1  
GENERAL INFORMATION:  
APPLICANT: Scholler, Nathalie B.  
APPLICANT: Disis, Mary L.  
APPLICANT: Hellstrom, Inggerd  
APPLICANT: Hellstrom, Karl Erik  
TITLE OF INVENTION: SURFACE RECEPTOR ANTIGEN VACCINES  
FILE REFERENCE: 73C033.409  
CURRENT FILING DATE: 1999-11-16  
NUMBER OF SEQ ID NOS: 26  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 9  
LENGTH: 191  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-441-411-9

Query Match 45.6%; Score 191; DB 10; Length 191;  
Best Local Similarity 100.0%; Pred. No. 1.4e-165;  
Matches 191; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MELAAICRWGLLALIPGASASTVCTGDMKRLPASPETHLDMRLHYOGCQVQGNL 60  
DB 1 MELAAICRWGLLALIPGASASTVCTGDMKRLPASPETHLDMRLHYOGCQVQGNL 60  
QY 61 ELTYPTNASISFLQDIOEVQGYVLIANQVROVPLQRLIRVGTQLFEDNYALAVLNG 120  
DB 61 ELTYPTNASISFLQDIOEVQGYVLIANQVROVPLQRLIRVGTQLFEDNYALAVLNG 120  
QY 121 DPLANTPTVGSFGGLRELOSLTEILKGVLIQRNPQLCYQDTILMKDIFHKNNOLA 180  
DB 121 DPLANTPTVGSFGGLRELOSLTEILKGVLIQRNPQLCYQDTILMKDIFHKNNOLA 180  
QY 181 LTLIDTNRRA 191  
DB 181 LTLIDTNRRA 191

## RESULT 3

US-10-356-824-1  
Sequence 1, Application US/10356824  
Publication No. US20040037823A9  
GENERAL INFORMATION:  
APPLICANT: Shak, Steve  
APPLICANT: Paton, Virginia  
TITLE OF INVENTION: TREATMENT WITH ANTI-EBB2 ANTIBODIES  
FILE REFERENCE: P1256R1  
CURRENT APPLICATION NUMBER: US/10/356,824  
CURRENT FILING DATE: 2003-02-03  
PRIOR APPLICATION NUMBER: US/09/208,649  
PRIOR FILING DATE: 1998-12-10  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/069,346  
PRIOR FILING DATE: EARLIER FILING DATE: 1997-12-12  
NUMBER OF SEQ ID NOS: 9  
SEQ ID NO 1  
LENGTH: 166  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-356-824-1

Query Match 39.6%; Score 166; DB 12; Length 166;  
Best Local Similarity 100.0%; Pred. No. 1e-143;  
Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 26 CTGDMKRLPASPETHLDMRLHYOGCQVQGNLELTYPNASISFLQDIOEVQGYV 85  
DB 1 CTGDMKRLPASPETHLDMRLHYOGCQVQGNLELTYPNASISFLQDIOEVQGYV 60  
QY 86 IAHNQVRQVPLQRLIRVGTQLFEDNYALAVLNGDELNNTPTVGSFGGLRELOSL 145  
DB 61 IAHNQVRQVPLQRLIRVGTQLFEDNYALAVLNGDELNNTPTVGSFGGLRELOSL 120  
QY 146 TEILKGVLIQRNPQLCYQDTILMKDIFHKNNOLATLIDTNRRA 191  
DB 121 TEILKGVLIQRNPQLCYQDTILMKDIFHKNNOLATLIDTNRRA 166

## RESULT 4

US-10-600-152-1  
Sequence 1, Application US/10600152  
Publication No. US20040037824A1  
GENERAL INFORMATION:  
APPLICANT: Baughman, Sharon A.  
APPLICANT: Shak, Steven  
TITLE OF INVENTION: Dosages for Treatment with Anti-EBB2 Antibodies  
FILE REFERENCE: P1775R1  
CURRENT APPLICATION NUMBER: US/10/600,152  
CURRENT FILING DATE: 2003-06-20  
PRIOR APPLICATION NUMBER: 09/648,067  
PRIOR FILING DATE: 2000-08-25  
PRIOR APPLICATION NUMBER: US 60/151,018  
PRIOR FILING DATE: 1999-08-27  
PRIOR APPLICATION NUMBER: US 60/213,822  
PRIOR FILING DATE: 2000-06-23  
NUMBER OF SEQ ID NOS: 15  
SEQ ID NO 1  
LENGTH: 166  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-600-152-1

Query Match 39.6%; Score 166; DB 12; Length 166;  
Best Local Similarity 100.0%; Pred. No. 1e-143;  
Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 26 CTGDMKRLPASPETHLDMRLHYOGCQVQGNLELTYPNASISFLQDIOEVQGYV 85  
DB 1 CTGDMKRLPASPETHLDMRLHYOGCQVQGNLELTYPNASISFLQDIOEVQGYV 60  
QY 86 IAHNQVRQVPLQRLIRVGTQLFEDNYALAVLNGDELNNTPTVGSFGGLRELOSL 145  
DB 61 IAHNQVRQVPLQRLIRVGTQLFEDNYALAVLNGDELNNTPTVGSFGGLRELOSL 120  
QY 146 TEILKGVLIQRNPQLCYQDTILMKDIFHKNNOLATLIDTNRRA 191  
DB 121 TEILKGVLIQRNPQLCYQDTILMKDIFHKNNOLATLIDTNRRA 166

## RESULT 5

US-10-356-824-1  
Sequence 1, Application US/10356824  
Publication No. US20030147864A1  
GENERAL INFORMATION:  
APPLICANT: Shak, Steve  
APPLICANT: Paton, Virginia  
TITLE OF INVENTION: TREATMENT WITH ANTI-EBB2 ANTIBODIES  
FILE REFERENCE: P1256R1  
CURRENT APPLICATION NUMBER: US/10/356,824  
CURRENT FILING DATE: 2003-02-03  
PRIOR APPLICATION NUMBER: US/09/208,649  
PRIOR FILING DATE: 1998-12-10  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/069,346  
PRIOR FILING DATE: EARLIER FILING DATE: 1997-12-12

;; PRIOR FILING DATE: EARLIER FILING DATE: 1997-12-12  
 ;; NUMBER OF SEQ ID NOS: 9  
 ;; SEQ ID NO 1  
 ;; LENGTH: 166  
 ;; TYPE: PRT  
 ;; ORGANISM: Homo sapiens  
 US-10-356-824-1

Query Match 39.6%; Score 166; DB 14; Length 166;  
 Best Local Similarity 100.0%; Pred. No. 1e-143;  
 Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 26 CTGTDMLRLPASPETHLDMRLHLYGCGVQVQGNLELTYPFNASLSFLQDIOEVGYVL 85  
 DB 1 CTGTDMLRLPASPETHLDMRLHLYGCGVQVQGNLELTYPFNASLSFLQDIOEVGYVL 60  
 QY 86 IAHNOVQVPLQRLIRIVGTQLFEDNYALAVLDNGDPLNNTTPTVGASPGGLREQLRSL 145  
 DB 61 IAHNOVQVPLQRLIRIVGTQLFEDNYALAVLDNGDPLNNTTPTVGASPGGLREQLRSL 120  
 QY 146 TEILKGVLIQRNPQLCYQDTILMKDIFKNNQLALTLDITNRSRA 191  
 DB 121 TEILKGVLIQRNPQLCYQDTILMKDIFKNNQLALTLDITNRSRA 166

RESULT 6  
 US-10-406-925-1  
 ; Sequence 1, Application US/10406925  
 ; Publication No. US20030170234A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Shak, Steve  
 ; TITLE OF INVENTION: TREATMENT WITH ANTI-EPDB2 ANTIBODIES  
 ; FILE REFERENCE: P1256R3  
 ; CURRENT APPLICATION NUMBER: US/10/406,925  
 ; PRIOR FILING DATE: 2003-04-04  
 ; PRIOR APPLICATION NUMBER: US/09/209,023  
 ; PRIOR FILING DATE: 1998-12-10  
 ; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/069,346  
 ; PRIOR FILING DATE: EARLIER FILING DATE: 1997-12-12  
 ; NUMBER OF SEQ ID NOS: 9  
 ; SEQ ID NO 1  
 ; LENGTH: 166  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-406-925-1

Query Match 39.6%; Score 166; DB 14; Length 166;  
 Best Local Similarity 100.0%; Pred. No. 1e-143;  
 Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 26 CTGTDMLRLPASPETHLDMRLHLYGCGVQVQGNLELTYPFNASLSFLQDIOEVGYVL 85  
 DB 1 CTGTDMLRLPASPETHLDMRLHLYGCGVQVQGNLELTYPFNASLSFLQDIOEVGYVL 60  
 QY 86 IAHNOVQVPLQRLIRIVGTQLFEDNYALAVLDNGDPLNNTTPTVGASPGGLREQLRSL 145  
 DB 61 IAHNOVQVPLQRLIRIVGTQLFEDNYALAVLDNGDPLNNTTPTVGASPGGLREQLRSL 120  
 QY 146 TEILKGVLIQRNPQLCYQDTILMKDIFKNNQLALTLDITNRSRA 191  
 DB 121 TEILKGVLIQRNPQLCYQDTILMKDIFKNNQLALTLDITNRSRA 166

RESULT 7  
 US-10-429-519-1  
 ; Sequence 1, Application US/10429519  
 ; Publication No. US20030170235A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Cohen, Robert  
 ; TITLE OF INVENTION: TREATMENT WITH ANTI-EBB2 ANTIBODIES  
 ; FILE REFERENCE: P1757R1  
 ; CURRENT APPLICATION NUMBER: US/10/429,519

;; CURRENT FILING DATE: 2003-05-05  
 ;; PRIOR APPLICATION NUMBER: US/09/568,322  
 ;; PRIOR FILING DATE: 2000-05-09  
 ;; PRIOR APPLICATION NUMBER: US 60/134,085  
 ;; PRIOR FILING DATE: 1999-05-14  
 ;; NUMBER OF SEQ ID NOS: 4  
 ;; SEQ ID NO 1  
 ;; LENGTH: 166  
 ;; TYPE: PRT  
 ;; ORGANISM: Homo sapiens  
 US-10-429-519-1

Query Match 39.6%; Score 166; DB 14; Length 166;  
 Best Local Similarity 100.0%; Pred. No. 1e-143;  
 Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 26 CTGTDMLRLPASPETHLDMRLHLYGCGVQVQGNLELTYPFNASLSFLQDIOEVGYVL 85  
 DB 1 CTGTDMLRLPASPETHLDMRLHLYGCGVQVQGNLELTYPFNASLSFLQDIOEVGYVL 60  
 QY 86 IAHNOVQVPLQRLIRIVGTQLFEDNYALAVLDNGDPLNNTTPTVGASPGGLREQLRSL 145  
 DB 61 IAHNOVQVPLQRLIRIVGTQLFEDNYALAVLDNGDPLNNTTPTVGASPGGLREQLRSL 120  
 QY 146 TEILKGVLIQRNPQLCYQDTILMKDIFKNNQLALTLDITNRSRA 191  
 DB 121 TEILKGVLIQRNPQLCYQDTILMKDIFKNNQLALTLDITNRSRA 166

RESULT 8  
 US-10-412-804A-8  
 ; Sequence 8, Application US/10412804A  
 ; Publication No. US20030228606A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Jing, Shuguan  
 ; APPLICANT: Tatarewicz, Suzanna  
 ; TITLE OF INVENTION: HER-2 Receptor Tyrosine Kinase Molecules and Uses  
 ; FILE REFERENCE: 01-1624-A  
 ; CURRENT APPLICATION NUMBER: US/10/412,804A  
 ; CURRENT FILING DATE: 2003-04-11  
 ; PRIOR FILING DATE: 2002-04-11  
 ; PRIOR APPLICATION NUMBER: 60/371,912  
 ; NUMBER OF SEQ ID NOS: 17  
 ; SEQ ID NO 8  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; LENGTH: 164  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-412-804A-8

Query Match 38.2%; Score 160; DB 15; Length 164;  
 Best Local Similarity 100.0%; Pred. No. 3.1e-138;  
 Matches 160; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 METAAICRWGILALALPPGASSTVOYCTGTDMLRLPASPETHLDMRLHLYGCGVQVQGNL 60  
 DB 1 METAAICRWGILALALPPGASSTVOYCTGTDMLRLPASPETHLDMRLHLYGCGVQVQGNL 60  
 QY 61 ELTYLPFNASLSFLQDIOEVGYVLIAHNOVQVPLQRLIRIVGTQLFEDNYALAVLDNG 120  
 DB 61 ELTYLPFNASLSFLQDIOEVGYVLIAHNOVQVPLQRLIRIVGTQLFEDNYALAVLDNG 120  
 QY 121 DPLNNTTPTVGASPGGLREQLRSLTEILKGVLIQRNPQ 160  
 DB 121 DPLNNTTPTVGASPGGLREQLRSLTEILKGVLIQRNPQ 160

RESULT 9  
 US-10-344-470-2  
 ; Sequence 2, Application US/10344470  
 ; Publication No. US20040052796A1  
 ; GENERAL INFORMATION:

APPLICANT: Clinton, Gall M.  
TITLE OF INVENTION: EXPRESSION OF HERSTATIN, AN ALTERNATIVE TO HER-2/NEU PRODUCT, IN  
TITLE OF INVENTION: THAT EXPRESS EITHER P185HER-2 OR THE EGF RECEPTOR INHIBITS RECEPTOR  
FILE REFERENCE: 49321-81  
CURRENT APPLICATION NUMBER: US/10/344,470  
CURRENT FILING DATE: 2003-06-09  
PRIOR APPLICATION NUMBER: PCT / US01/25502  
PRIOR FILING DATE: 2001-08-14  
PRIOR APPLICATION NUMBER: US 09/638,834  
PRIOR FILING DATE: 2000-08-14  
NUMBER OF SEQ ID NOS: 10  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO: 2  
LENGTH: 419  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: MISC FEATURE  
LOCATION: (342)..(342)  
OTHER INFORMATION: Applicants herein disclose Thr and Ser sequence variants at this  
FEATURE:  
NAME/KEY: MISC FEATURE  
LOCATION: (345)..(345)  
OTHER INFORMATION: Applicants herein disclose Leu and Pro sequence variants at this  
FEATURE:  
NAME/KEY: MISC FEATURE  
LOCATION: (346)..(346)  
OTHER INFORMATION: Applicants herein disclose Pro and Leu sequence variants at this  
FEATURE:  
NAME/KEY: MISC FEATURE  
LOCATION: (356)..(356)  
OTHER INFORMATION: Applicants herein disclose Leu and Gln sequence variants at this  
FEATURE:  
NAME/KEY: MISC FEATURE  
LOCATION: (358)..(358)  
OTHER INFORMATION: Applicants herein disclose Met and Leu sequence variants at this  
FEATURE:  
NAME/KEY: MISC FEATURE  
LOCATION: (361)..(361)  
OTHER INFORMATION: Applicants herein disclose Gly, Asp, Ala and Val sequence variant  
FEATURE:  
NAME/KEY: MISC FEATURE  
LOCATION: (376)..(376)  
OTHER INFORMATION: Applicants herein disclose Leu and Ile sequence variants at this  
FEATURE:  
NAME/KEY: MISC FEATURE  
LOCATION: (394)..(394)  
OTHER INFORMATION: Applicants herein disclose Pro and Arg sequence variants at this  
FEATURE:  
NAME/KEY: MISC FEATURE  
LOCATION: (404)..(404)  
OTHER INFORMATION: Applicants herein disclose Pro and Leu sequence variants at this  
FEATURE:  
NAME/KEY: MISC FEATURE  
LOCATION: (413)..(413)  
OTHER INFORMATION: Applicants herein disclose Asp and Asn sequence variants at this  
US-10-344-470-2

Query Match 19.8%; Score 83; DB 12; Length 419;  
Best Local Similarity 100.0%; Pred. No. 2,4e-67;  
Matches 83; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 199 CKGRCGSSSDQSLRTVACGACGACGKPLPTDCBQCACAGCTGPRSDCLACIHF 258  
Db 199 CKGRCGSSSDQSLRTVACGACGACGKPLPTDCBQCACAGCTGPRSDCLACIHF 258  
Oy 259 NHSGICELACPALVTYNTDFES 281  
Db 259 NHSGICELACPALVTYNTDFES 281

RESULT 10  
US-10-302-663-2  
Sequence 2, Application US/10302663  
Publication No. US20040022785A1  
GENERAL INFORMATION:  
APPLICANT: Clinton, Gall M.  
TITLE OF INVENTION: EXPRESSION OF HERSTATIN, AN ALTERNATIVE HER-2/NEU PRODUCT, IN C  
TITLE OF INVENTION: EXPRESS EITHER P185HER-2 OR THE EGF RECEPTOR INHIBITS RECEPTOR  
FILE REFERENCE: 49321-73  
CURRENT APPLICATION NUMBER: US/10/302,663  
CURRENT FILING DATE: 2002-11-22  
PRIOR APPLICATION NUMBER: US 09/638,834  
PRIOR FILING DATE: 2000-08-14  
NUMBER OF SEQ ID NOS: 10  
SEQ ID NO: 2  
LENGTH: 419  
TYPE: PRT  
ORGANISM: Homo Sapiens  
FEATURE:  
NAME/KEY: VARIANT  
LOCATION: 342  
OTHER INFORMATION: Applicants herein disclose Thr and Ser sequence variants at thi  
FEATURE:  
NAME/KEY: VARIANT  
LOCATION: 345  
OTHER INFORMATION: Applicants herein disclose Leu and Pro sequence variants at thi  
FEATURE:  
NAME/KEY: VARIANT  
LOCATION: 346  
OTHER INFORMATION: Applicants herein disclose Pro and Leu sequence variants at thi  
FEATURE:  
NAME/KEY: VARIANT  
LOCATION: 356  
OTHER INFORMATION: Applicants herein disclose Leu and Gln sequence variants at thi  
FEATURE:  
NAME/KEY: VARIANT  
LOCATION: 358  
OTHER INFORMATION: Applicants herein disclose Met and Leu sequence variants at thi  
FEATURE:  
NAME/KEY: VARIANT  
LOCATION: 361  
OTHER INFORMATION: Applicants herein disclose Gly, Asp, Ala and Val sequence varia  
OTHER INFORMATION: position  
FEATURE:  
NAME/KEY: VARIANT  
LOCATION: 376  
OTHER INFORMATION: Applicants herein disclose Leu and Ile sequence variants at thi  
FEATURE:  
NAME/KEY: VARIANT  
LOCATION: 394  
OTHER INFORMATION: Applicants herein disclose Pro and Arg sequence variants at thi  
FEATURE:  
NAME/KEY: VARIANT  
LOCATION: 404  
OTHER INFORMATION: Applicants herein disclose Pro and Leu sequence variants at thi  
FEATURE:  
NAME/KEY: VARIANT  
LOCATION: 413  
OTHER INFORMATION: Applicants herein disclose Asp and Asn sequence variants at thi  
US-10-302-663-2

Query Match 19.8%; Score 83; DB 16; Length 419;  
Best Local Similarity 100.0%; Pred. No. 2,4e-67;

Matches 83; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 199 CKGSRGWESSBDCQSLRTVCAAGCARGKGPFTDCBHQCAAGCTGPHRSDCLATP 258  
199 CKGSRGWESSBDCQSLRTVCAAGCARGKGPFTDCBHQCAAGCTGPHRSDCLATP 258

Db 259 NSGICELHCPALVTNTDTFES 281  
259 NSGICELHCPALVTNTDTFES 281

RESULT 11:  
US-10-356-824-2

; Sequence 2, Application US/10356824  
; Publication No. US20040037823A9  
; GENERAL INFORMATION:  
; APPLICANT: Shak, Steve  
; APPLICANT: Paton, Virginia  
; TITLE OF INVENTION: TREATMENT WITH ANTI-ERB2 ANTIBODIES  
; FILE REFERENCE: P1256R1  
; CURRENT APPLICATION NUMBER: US/10/356,824  
; PRIOR FILING DATE: 2003-02-03  
; PRIOR APPLICATION NUMBER: US/09/208,649  
; PRIOR FILING DATE: 1998-12-10  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/069,346  
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-12-12  
; NUMBER OF SEQ ID NOS: 9  
; SEQ ID NO 2  
; LENGTH: 32  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-356-824-2

Query Match 7.6%; Score 32; DB 12; Length 32;  
Best Local Similarity 100.0%; Pred. No. 1.4e-21;  
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 22 STGVCTGTDKRLPASPETHLDMRLHYQGC 53  
1 STGVCTGTDKRLPASPETHLDMRLHYQGC 32

RESULT 12:

US-10-600-152-2  
; Sequence 2, Application US/10600152  
; Publication No. US20040037824A1  
; GENERAL INFORMATION:  
; APPLICANT: Baughman, Sharon A.  
; APPLICANT: Shak, Steven  
; TITLE OF INVENTION: Dosages for Treatment with Anti-Erb2 Antibodies  
; FILE REFERENCE: P1757R1  
; CURRENT APPLICATION NUMBER: US/10/600,152  
; PRIOR FILING DATE: 2003-06-20  
; PRIOR APPLICATION NUMBER: 09/648,067  
; PRIOR FILING DATE: 2000-08-25  
; PRIOR APPLICATION NUMBER: US 60/151,018  
; PRIOR FILING DATE: 1999-08-27  
; PRIOR APPLICATION NUMBER: US 60/213,822  
; PRIOR FILING DATE: 2000-06-23  
; NUMBER OF SEQ ID NOS: 15  
; SEQ ID NO 2  
; LENGTH: 32  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-600-152-2

Query Match 7.6%; Score 32; DB 12; Length 32;  
Best Local Similarity 100.0%; Pred. No. 1.4e-21;  
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 22 STGVCTGTDKRLPASPETHLDMRLHYQGC 53  
1 STGVCTGTDKRLPASPETHLDMRLHYQGC 32

RESULT 13:  
US-10-356-824-2  
; Sequence 2, Application US/10356824  
; Publication No. US20030147884A1  
; GENERAL INFORMATION:  
; APPLICANT: Shak, Steve  
; APPLICANT: Paton, Virginia  
; TITLE OF INVENTION: TREATMENT WITH ANTI-ERB2 ANTIBODIES  
; FILE REFERENCE: P1256R1  
; CURRENT APPLICATION NUMBER: US/10/356,824  
; PRIOR FILING DATE: 2003-02-03  
; PRIOR APPLICATION NUMBER: US/09/208,649  
; PRIOR FILING DATE: 1998-12-10  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/069,346  
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-12-12  
; NUMBER OF SEQ ID NOS: 9  
; SEQ ID NO 2  
; LENGTH: 32  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-356-824-2

Query Match 7.6%; Score 32; DB 14; Length 32;  
Best Local Similarity 100.0%; Pred. No. 1.4e-21;  
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 22 STGVCTGTDKRLPASPETHLDMRLHYQGC 53  
1 STGVCTGTDKRLPASPETHLDMRLHYQGC 32

RESULT 14:

US-10-406-925-2  
; Sequence 2, Application US/10406925  
; Publication No. US20030170234A1  
; GENERAL INFORMATION:  
; APPLICANT: Shak, Steve  
; APPLICANT: Paton, Virginia  
; TITLE OF INVENTION: TREATMENT WITH ANTI-ERB2 ANTIBODIES  
; FILE REFERENCE: P1256R3  
; CURRENT APPLICATION NUMBER: US/10/406,925  
; CURRENT FILING DATE: 2003-04-04  
; PRIOR APPLICATION NUMBER: US/09/209,023  
; PRIOR FILING DATE: 1998-12-10  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/069,346  
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-12-12  
; NUMBER OF SEQ ID NOS: 9  
; SEQ ID NO 2  
; LENGTH: 32  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-406-925-2

Query Match 7.6%; Score 32; DB 14; Length 32;  
Best Local Similarity 100.0%; Pred. No. 1.4e-21;  
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 22 STGVCTGTDKRLPASPETHLDMRLHYQGC 53  
1 STGVCTGTDKRLPASPETHLDMRLHYQGC 32

RESULT 15:

US-10-429-519-2  
; Sequence 2, Application US/10429519  
; Publication No. US20030170235A1  
; GENERAL INFORMATION:  
; APPLICANT: Cohen, Robert  
; TITLE OF INVENTION: TREATMENT WITH ANTI-ERB2 ANTIBODIES  
; FILE REFERENCE: P1757R1  
; CURRENT APPLICATION NUMBER: US/10/429,519

; CURRENT FILING DATE: 2003-05-05  
 ; PRIOR APPLICATION NUMBER: US/09/568,322  
 ; PRIOR FILING DATE: 2000-05-09  
 ; PRIOR APPLICATION NUMBER: US 60/134,085  
 ; PRIOR FILING DATE: 1999-05-14  
 ; NUMBER OF SEQ ID NOS: 4  
 ; SEQ ID NO 2  
 ; LENGTH: 32  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 ; US-10-429-519-2

Query Match 7.6%; Score 32; DB 14; Length 32;  
 Best Local Similarity 100.0%; Pred. No. 1.4e-21;  
 Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 22 STQVCTGTDMLKRLPASPETHLDMRLHLYQGC 53  
 Db 1 STQVCTGTDMLKRLPASPETHLDMRLHLYQGC 32

Search completed: June 4, 2004, 11:01:45  
 Job time : 49 secs

Fri Jun 4 11:10:12 2004

US-09-234-208b-2.cliszm419.rat

Page 1

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: June 4, 2004, 10:51:12 ; Search time 23 Seconds  
(without alignments)  
940.491 Million cell updates/sec

Title: US-09-234-208b-2

Perfect score: 419  
Sequence: 1 METALCRNGJLALPRCA.....VGRGPPDAHVAVNLSRYEG 419

Scoring table: OLIGO  
Gapop 60.0, Gapext 60.0

Searched: 389414 seqs, 51625971 residues

Word size: 0

Total number of hits satisfying chosen parameters: 353328

Minimum DB seq length: 0

Maximum DB seq length: 419

Post-processing: Listing first 45 summaries

Database: Issued Patent AA:  
1: /cgn2\_6/ptodata/2/1aa/5A\_COMB.pep.\*  
2: /cgn2\_6/ptodata/2/1aa/5B\_COMB.pep.\*  
3: /cgn2\_6/ptodata/2/1aa/5A\_COMB.pep.\*  
4: /cgn2\_6/ptodata/2/1aa/5B\_COMB.pep.\*  
5: /cgn2\_6/ptodata/2/1aa/PTUS\_COMB.pep.\*  
6: /cgn2\_6/ptodata/2/1aa/backfile1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	419	100.0	419	4	US-09-630-155-2
2	166	39.6	166	4	US-09-648-067A-1
3	96	22.9	97	1	US-08-421-356-3
4	96	22.9	97	4	US-09-046-783-3
5	79	18.9	79	4	US-09-630-155-1
6	32	7.6	32	4	US-09-648-067A-2
7	17	4.1	17	1	US-08-467-083-61
8	17	4.1	17	1	US-08-414-417B-61
9	17	4.1	17	2	US-08-486-348A-61
10	17	4.1	17	2	US-08-468-545B-61
11	17	4.1	17	3	US-08-466-680B-61
12	17	4.1	17	4	US-09-354-533-61
13	17	4.1	17	4	US-08-467-083-30
14	15	3.6	15	1	US-08-467-083-31
15	15	3.6	15	1	US-08-467-083-32
16	15	3.6	15	1	US-08-467-083-33
17	15	3.6	15	1	US-08-467-083-34
18	15	3.6	15	1	US-08-467-083-35
19	15	3.6	15	1	US-08-414-417B-30
20	15	3.6	15	1	US-08-414-417B-31
21	15	3.6	15	1	US-08-414-417B-32
22	15	3.6	15	1	US-08-414-417B-33
23	15	3.6	15	1	US-08-414-417B-34
24	15	3.6	15	2	US-08-486-348A-31
25	15	3.6	15	2	US-08-486-348A-32
26	15	3.6	15	2	US-08-486-348A-33
27	15	3.6	15	2	US-08-486-348A-34

28	15	3.6	15	2	US-08-468-545B-30	Sequence 30, Appl
29	15	3.6	15	2	US-08-468-545B-31	Sequence 31, Appl
30	15	3.6	15	2	US-08-468-545B-32	Sequence 32, Appl
31	15	3.6	15	2	US-08-468-545B-33	Sequence 33, Appl
32	15	3.6	15	2	US-08-468-545B-34	Sequence 34, Appl
33	15	3.6	15	3	US-08-466-680B-30	Sequence 30, Appl
34	15	3.6	15	3	US-08-466-680B-31	Sequence 31, Appl
35	15	3.6	15	3	US-08-466-680B-32	Sequence 32, Appl
36	15	3.6	15	3	US-08-466-680B-33	Sequence 33, Appl
37	15	3.6	15	3	US-08-466-680B-34	Sequence 34, Appl
38	15	3.6	15	4	US-09-000-003A-22	Sequence 22, Appl
39	15	3.6	15	4	US-09-354-533-30	Sequence 30, Appl
40	15	3.6	15	4	US-09-354-533-31	Sequence 31, Appl
41	15	3.6	15	4	US-09-354-533-32	Sequence 32, Appl
42	15	3.6	15	4	US-09-354-533-33	Sequence 33, Appl
43	15	3.6	15	4	US-09-354-533-34	Sequence 34, Appl
44	15	3.6	15	4	US-09-405-986A-12	Sequence 12, Appl
45	14	3.3	14	4	US-08-403-459-31	Sequence 31, Appl

## ALIGNMENTS

### RESULT 1

US-09-630-155-2  
Sequence 2, Application US/09630155  
Patent No. 6414130

GENERAL INFORMATION:  
APPLICANT: Doherty, Joni Kristin and Gail M. Clinton

TITLE OF INVENTION: HER-2 BINDING ANTAGONISTS  
NUMBER OF SEQUENCES: 9

CORRESPONDENCE ADDRESS:  
ADDRESSEE: DAVIS WRIGHT TREMAINE LLP

STREET: 1501 Fourth Avenue, 2600 Century Square  
CITY: Seattle

STATE: Washington  
COUNTRY: U.S.A.

ZIP: 98101

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk

COMPUTER: PC compatible  
OPERATING SYSTEM: Windows95

SOFTWARE: Word  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/630,155

FILING DATE: 16-Jan-2001  
CLASSIFICATION: <Unknown>

ATTORNEY/AGENT INFORMATION:  
NAME: Davison, Barry L.

REGISTRATION NUMBER: 47,309  
REFERENCE/DOCKET NUMBER: 49321-10

TELECOMMUNICATION INFORMATION:  
TELEPHONE: 206 628-7621

TELEFAX: 206 628-7699  
INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:  
LENGTH: 419

TYPE: amino acid  
STRANDEDNESS: single

TOPOLOGY: unknown  
MOLECULE TYPE: polypeptide

SEQUENCE DESCRIPTION: SEQ ID NO: 2:  
US-09-630-155-2

Query Match 100.0%; Score 419, DB 4; Length 419;  
Best Local Similarity 100.0%; Pred. No. 0;

Matches 419; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 METALCRNGJLALPRCASTOVCTGDMKRLPASPEHLIDMLRHLVYOCQVQGNL 60  
DB 1 METALCRNGJLALPRCASTOVCTGDMKRLPASPEHLIDMLRHLVYOCQVQGNL 60  
QY 61 EUTYPTNANSLPIODIOEVQGYVLIANOVQVFLQRLIVRGTLQFEDNYALAVLNG 120

Fri Jun 4 11:10:12 2004

us-09-234-208b-2.01s2lm419.ra1

Page 2

DB 61 ELTYLPTNASTSFLODDIOEVQVYLIAHNOVQVPLQRLRIVRTQQLFEDVYALAVDNG 120  
QY 121 DPLNNTPTVGTASPGGLRELOLRSITELIKGVLIOBNPOLCYODTILMKDIFHKNQOLA 180  
DB 121 DPLNNTPTVGTASPGGLRELOLRSITELIKGVLIOBNPOLCYODTILMKDIFHKNQOLA 180  
QY 181 LTLIDTNRSRACHPCSPMCKSRGWSSSEDCQSLTRTVCGAGCARCKGPELPTDCHEQC 240  
DB 181 LTLIDTNRSRACHPCSPMCKSRGWSSSEDCQSLTRTVCGAGCARCKGPELPTDCHEQC 240  
QY 241 AAGCGPHSDICLALHNSGICELHCPALVTNTDFESMPNDEGYTGASCYACF 300  
DB 241 AAGCGPHSDICLALHNSGICELHCPALVTNTDFESMPNDEGYTGASCYACF 300  
QY 301 YNYLSTDVGSCTLVCPILHNOEVTADGTQRCCKSPCARGTHSILPPRAAVPVPLMOP 360  
DB 301 YNYLSTDVGSCTLVCPILHNOEVTADGTQRCCKSPCARGTHSILPPRAAVPVPLMOP 360  
QY 361 GPHAVLSFLRSPMDVGNFSLPLAPLSPVSPISVSGRGPDPHVAVNLSTRYG 419  
DB 361 GPHAVLSFLRSPMDVGNFSLPLAPLSPVSPISVSGRGPDPHVAVNLSTRYG 419

RESULT 2

US-09-648-067A-1  
Sequence 1, Application US/09648067A  
Patent No. 6627196  
GENERAL INFORMATION:  
APPLICANT: Baughman, Sharon A.  
APPLICANT: Shak Steven  
TITLE OF INVENTION: Dosages for Treatment with Anti-ErbB2 Antibodies  
FILE REFERENCE: P175R1  
CURRENT APPLICATION NUMBER: US/09/648,067A  
CURRENT FILING DATE: 2000-08-25  
PRIOR APPLICATION NUMBER: US 60/151,018  
PRIOR FILING DATE: 1999-08-27  
PRIOR APPLICATION NUMBER: US 60/213,822  
PRIOR FILING DATE: 2000-06-23  
NUMBER OF SEQ ID NOS: 15  
SEQ ID NO 1  
LENGTH: 166  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-648-067A-1

Query Match 39.6%; Score 166; DB 4; Length 166;  
Best Local Similarity 100.0%; Pred. No. 6.4e-151; Indels 0; Gaps 0;  
Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 26 CTGTDMKRLPASPETHLDMRLHLYOGCQVQAGNTLTYLPTNASTSFLODDIOEVQVYL 85  
DB 1 CTGTDMKRLPASPETHLDMRLHLYOGCQVQAGNTLTYLPTNASTSFLODDIOEVQVYL 60  
QY 86 IAHNOVQVPLQRLRIVRTQQLFEDVYALAVDNGDPLNNTPTVGTASPGGLRELOLRS 145  
DB 61 IAHNOVQVPLQRLRIVRTQQLFEDVYALAVDNGDPLNNTPTVGTASPGGLRELOLRS 120  
QY 146 TELIKGVLIQBNPOLCYODTILMKDIFHKNQOLATLIDTNRSA 191  
DB 121 TELIKGVLIQBNPOLCYODTILMKDIFHKNQOLATLIDTNRSA 166

RESULT 3  
US-08-421-356-3  
Sequence 3, Application US/08421356  
Patent No. 5783404  
GENERAL INFORMATION:  
APPLICANT: Koski, Raymond A.  
TITLE OF INVENTION: HER-2  
NUMBER OF SEQUENCES: 27  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Amgen Inc.

STREET: 1640 Dehavilland Drive  
CITY: Thousand Oaks  
STATE: California  
COUNTRY: USA  
ZIP: 91320-1789  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
OPERATING SYSTEM: IBM PC compatible  
SOFTWARE: Patent in Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/421,356  
FILING DATE:  
CLASSIFICATION: 436  
ATTORNEY/AGENT INFORMATION:  
NAME: Winter, Robert B.  
REFERENCE/DOCKET NUMBER: A-327  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 97 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-421-356-3

Query Match 22.9%; Score 96; DB 1; Length 97;  
Best Local Similarity 100.0%; Pred. No. 3.8e-84;  
Matches 96; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 96 LQRLIRVGTQLFEDNVALAVDNGDPLNNTPTVGTASPGGLRELOLRSITELIKGVL 155  
DB 2 LQRLIRVGTQLFEDNVALAVDNGDPLNNTPTVGTASPGGLRELOLRSITELIKGVL 61  
QY 156 QBNPOLCYODTILMKDIFHKNQOLATLIDTNRSA 191  
DB 62 QBNPOLCYODTILMKDIFHKNQOLATLIDTNRSA 97

RESULT 4

US-09-046-783-3  
Sequence 3, Application US/09046783  
Patent No. 6441143  
GENERAL INFORMATION:  
APPLICANT: Koski, Raymond A.  
TITLE OF INVENTION: HER-2  
NUMBER OF SEQUENCES: 27  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Amgen Inc.  
STREET: 1640 Dehavilland Drive  
CITY: Thousand Oaks  
STATE: California  
COUNTRY: USA  
ZIP: 91320-1789

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/046,783  
FILING DATE: 23-Mar-1998  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/421,356  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Winter, Robert B.  
REFERENCE/DOCKET NUMBER: A-327  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 97 amino acids  
TYPE: amino acid



STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
SEQUENCE DESCRIPTION: SEQ ID NO: 3:  
US-09-046-783-3

Query Match 22.9%; Score 96; DB 4; Length 97;  
Best Local Similarity 100.0%; Pred. No. 3,8e-84;  
Matches 96; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 96 LQRLIVRTQQLFEDNYALAVDNDPLNTPYTGASGGRGRLQSLTEILKGLI 155  
DB 2 LQRLIVRTQQLFEDNYALAVDNDPLNTPYTGASGGRGRLQSLTEILKGLI 61

QY 156 QNRPOLCYQDTILMKDIFKNNQALTLIDTNRSA 191  
DB 62 QNRPOLCYQDTILMKDIFKNNQALTLIDTNRSA 97

RESULT 5  
US-09-630-155-1  
Sequence 1, Application US/09630155  
Patent No. 6414130

GENERAL INFORMATION:  
APPLICANT: Doherty, Joni Kristin and Gail M. Clinton  
TITLE OF INVENTION: HER-2 BINDING ANTAGONISTS  
NUMBER OF SEQUENCES: 9  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: DAVIS WRIGHT TREMAINE LLP  
STREET: 1501 Fourth Avenue, 2600 Century Square  
CITY: Seattle  
STATE: Washington  
COUNTRY: U.S.A.  
ZIP: 98101

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: PC compatible  
OPERATING SYSTEM: windows95  
SOFTWARE: word

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/630,155  
FILING DATE: 16-Jan-2001  
CLASSIFICATION: <Unknown>

ATTORNEY/AGENT INFORMATION:  
NAME: Davison, Barry L.  
REGISTRATION NUMBER: 47,309  
REFERENCE/DOCKET NUMBER: 49321-10  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 206 628-7621  
TELEFAX: 206 628-7699

INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 79  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: unknown  
MOLECULE TYPE: HER-2 ECD antagonist  
SEQUENCE DESCRIPTION: SEQ ID NO: 1:

US-09-630-155-1  
Query Match 18.9%; Score 79; DB 4; Length 79;  
Best Local Similarity 100.0%; Pred. No. 5,8e-68;  
Matches 79; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 341 GHSLLPRPAAYVPRMOPGPAHPLSLRPSWDLYSAFYSLPLASPTSVPIPSVY 400  
DB 1 GHSLLPRPAAYVPRMOPGPAHPLSLRPSWDLYSAFYSLPLASPTSVPIPSVY 60

QY 401 GRGPDPAHVAVNLRYEG 419  
DB 61 GRGPDPAHVAVNLRYEG 79

RESULT 6  
US-09-648-067A-2  
Sequence 2, Application US/09648067A  
Patent No. 6627196

GENERAL INFORMATION:  
APPLICANT: Baughman, Sharon A.  
TITLE OF INVENTION: Dosages for Treatment with Anti-ErbB2 Antibodies  
FILE REFERENCE: P1775R1  
CURRENT APPLICATION NUMBER: US/09/648,067A  
CURRENT FILING DATE: 2000-08-25  
PRIOR FILING DATE: 1999-08-27  
PRIOR APPLICATION NUMBER: US 60/151,018  
PRIOR FILING DATE: 2000-06-23  
NUMBER OF SEQ ID NOS: 15  
SEQ ID NO 2  
LENGTH: 32  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-648-067A-2

Query Match 7.6%; Score 32; DB 4; Length 32;  
Best Local Similarity 100.0%; Pred. No. 2,4e-23;  
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 22 STQVCTGDMKLRIPASRTHLMDLRHLYGQC 53  
DB 1 STQVCTGDMKLRIPASRTHLMDLRHLYGQC 32

RESULT 7  
US-08-467-083-61  
Sequence 61, Application US/08467083  
Patent No. 5726023

GENERAL INFORMATION:  
APPLICANT: Cheever, Martin A.  
TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/NEU PROTEIN  
TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE  
NUMBER OF SEQUENCES: 68  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Seed and Berry  
STREET: 6300 Columbia Center, 701 Fifth Avenue  
CITY: Seattle  
STATE: Washington  
COUNTRY: US  
ZIP: 98104-7092

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/467,083  
FILING DATE: 06-JUN-1995  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/414,417  
FILING DATE: 06-JUN-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Sharkey, Richard G.  
REGISTRATION NUMBER: 32,629  
REFERENCE/DOCKET NUMBER: 920010.448C2  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206) 622-4900  
TELEFAX: (206) 682-6031  
TELEX: 3723836 SREDANBERY  
INFORMATION FOR SEQ ID NO: 61:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 17 amino acids  
TYPE: amino acid

STRANDEDNESS:  
TOPOLOGY: linear  
US-08-467-083-61

Query Match 4.1%; Score 17; DB 1; Length 17;  
Best Local Similarity 100.0%; Pred. No. 3e-09;  
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 98 RLRIYRGTOLEFDNYAL 114  
DB 1 RLRIYRGTOLEFDNYAL 17

RESULT 8  
US-08-414-417B-61  
Sequence 61, Application US/08414417B  
Patent No. 5801005

GENERAL INFORMATION:  
APPLICANT: Cheever, Martin A.  
TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN  
TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE  
NUMBER OF SEQUENCES: 69  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Seed and Berry LLP  
STREET: 6300 Columbia Center, 701 Fifth Avenue  
CITY: Seattle  
STATE: Washington  
COUNTRY: US  
ZIP: 98104-7092

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/414,417B  
FILING DATE: 31-MAR-1995  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: Sharkey, Richard G.  
REGISTRATION NUMBER: 32,629  
REFERENCE/DOCKET NUMBER: 920010.448C2  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206) 622-4900  
TELEFAX: (206) 682-6031  
INFORMATION FOR SEQ ID NO: 61:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 17 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
US-08-414-417B-61

Query Match 4.1%; Score 17; DB 1; Length 17;  
Best Local Similarity 100.0%; Pred. No. 3e-09;  
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 98 RLRIYRGTOLEFDNYAL 114  
DB 1 RLRIYRGTOLEFDNYAL 17

RESULT 9  
US-08-486-348A-61  
Sequence 61, Application US/08486348A  
Patent No. 584538  
GENERAL INFORMATION:  
APPLICANT: Cheever, Martin A.  
TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN  
TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE

TITLE OF INVENTION: HER-2/neu ONCOGENE IS ASSOCIATED  
NUMBER OF SEQUENCES: 69  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Seed and Berry LLP  
STREET: 6300 Columbia Center, 701 Fifth Avenue  
CITY: Seattle  
STATE: Washington  
COUNTRY: US  
ZIP: 98104-7092  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/486,348A  
FILING DATE: 07-JUN-1995  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: Sharkey, Richard G.  
REGISTRATION NUMBER: 32,629  
REFERENCE/DOCKET NUMBER: 920010.448C6  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206) 622-4900  
TELEFAX: (206) 682-6031  
INFORMATION FOR SEQ ID NO: 61:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 17 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
US-08-486-348A-61

Query Match 4.1%; Score 17; DB 2; Length 17;  
Best Local Similarity 100.0%; Pred. No. 3e-09;  
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 98 RLRIYRGTOLEFDNYAL 114  
DB 1 RLRIYRGTOLEFDNYAL 17

RESULT 10  
US-08-468-545B-61  
Sequence 61, Application US/08468545B  
Patent No. 5876712  
GENERAL INFORMATION:  
APPLICANT: Cheever, Martin A.  
TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN  
TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE  
NUMBER OF SEQUENCES: 69  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Seed and Berry LLP  
STREET: 6300 Columbia Center, 701 Fifth Avenue  
CITY: Seattle  
STATE: Washington  
COUNTRY: US  
ZIP: 98104-7092  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/468,545B  
FILING DATE: 06-JUN-1995  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: Sharkey, Richard G.  
REGISTRATION NUMBER: 32,629  
REFERENCE/DOCKET NUMBER: 920010.448C5

TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206) 622-4900  
TELEFAX: (206) 682-6031  
INFORMATION FOR SEQ ID NO: 61:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 17 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
US-08-466-6808-61

Query Match 4.1%; Score 17; DB 2; Length 17;  
Best Local Similarity 100.0%; Pred. No. 3e-09;  
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 98 RLRIVGTQLFEDNYAL 114  
DB 1 RLRIVGTQLFEDNYAL 17

RESULT 11  
US-08-466-6808-61  
Sequence 61, Application US/08466680B  
Patent No. 6075122  
GENERAL INFORMATION:  
APPLICANT: Cheever, Martin A.  
APPLICANT: Disis, Mary L.  
TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN  
TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE  
NUMBER OF SEQUENCES: 69  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Seed and Berry LLP  
STREET: 6300 Columbia Center, 701 Fifth Avenue  
CITY: Seattle  
STATE: Washington  
COUNTRY: US  
ZIP: 98104-7092  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/466,680B  
FILING DATE: 06-JUN-1995  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: Sharkey, Richard G.  
REGISTRATION NUMBER: 32,629  
REFERENCE/DOCKET NUMBER: 920010.448C4  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206) 622-4900  
TELEFAX: (206) 682-6031  
INFORMATION FOR SEQ ID NO: 61:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 17 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
US-08-466-6808-61

Query Match 4.1%; Score 17; DB 3; Length 17;  
Best Local Similarity 100.0%; Pred. No. 3e-09;  
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 98 RLRIVGTQLFEDNYAL 114  
DB 1 RLRIVGTQLFEDNYAL 17

RESULT 12  
US-09-354-533-61

Sequence 61, Application US/09354533  
Patent No. 6664370  
GENERAL INFORMATION:  
APPLICANT: Cheever, Martin A.  
APPLICANT: Disis, Mary L.  
TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN  
TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE  
NUMBER OF SEQUENCES: 69  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Seed and Berry LLP  
STREET: 6300 Columbia Center, 701 Fifth Avenue  
CITY: Seattle  
STATE: Washington  
COUNTRY: US  
ZIP: 98104-7092  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/354,533  
FILING DATE: 15-JUL-1999  
CLASSIFICATION: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Sharkey, Richard G.  
REGISTRATION NUMBER: 32,629  
REFERENCE/DOCKET NUMBER: 920010.448C9  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206) 622-4900  
TELEFAX: (206) 682-6031  
INFORMATION FOR SEQ ID NO: 61:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 17 amino acids  
TYPE: amino acid  
STRANDEDNESS: <Unknown>  
TOPOLOGY: linear  
US-09-354-533-61

Query Match 4.1%; Score 17; DB 4; Length 17;  
Best Local Similarity 100.0%; Pred. No. 3e-09;  
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 98 RLRIVGTQLFEDNYAL 114  
DB 1 RLRIVGTQLFEDNYAL 17

RESULT 13  
US-08-467-083-30  
Sequence 30, Application US/08467083  
Patent No. 5726023  
GENERAL INFORMATION:  
APPLICANT: Cheever, Martin A.  
APPLICANT: Disis, Mary L.  
TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN  
TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE  
NUMBER OF SEQUENCES: 68  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Seed and Berry  
STREET: 6300 Columbia Center, 701 Fifth Avenue  
CITY: Seattle  
STATE: Washington  
COUNTRY: US  
ZIP: 98104-7092  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.25

Query Match 4.1%; Score 17; DB 4; Length 17;  
Best Local Similarity 100.0%; Pred. No. 3e-09;  
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 98 RLRIVGTQLFEDNYAL 114  
DB 1 RLRIVGTQLFEDNYAL 17

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;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/08/467,083  
;; FILING DATE: 06-JUN-1995  
;; CLASSIFICATION: 424  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: US 08/414,417  
;; FILING DATE: 06-JUN-1995  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Sharkey, Richard G.  
;; REGISTRATION NUMBER: 32,629  
;; REFERENCE/DOCKET NUMBER: 920010.448C2  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (206) 622-4900  
;; TELEFAX: (206) 682-6031  
;; TELEX: 3723836 SEDANBERRY  
;; INFORMATION FOR SEQ ID NO: 30:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 15 amino acids  
;; TYPE: amino acid  
;; TOPOLOGY: linear  
;; US-08-467-083-30

Query Match 3.6%; Score 15; DB 1; Length 15;  
Best Local Similarity 100.0%; Pred. No. 2.2e-07;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 42 HLDMLRHLYGCGGV 56  
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DB 1 HLDMLRHLYGCGGV 15

RESULT 14  
US-08-467-083-31  
; Sequence 31, Application US/08467083  
; Patent No. 5726023  
; GENERAL INFORMATION:  
; APPLICANT: Cheever, Martin A.  
; TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/NEU PROTEIN  
; TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE  
; TITLE OF INVENTION: HER-2/NEU ONCOGENE IS ASSOCIATED  
; NUMBER OF SEQUENCES: 68  
; CORRESPONDENCE ADDRESS:  
; ADDRESS: Seed and Berry  
; STREET: 6300 Columbia Center, 701 Fifth Avenue  
; CITY: Seattle  
; STATE: Washington  
; COUNTRY: US  
; ZIP: 98104-7092  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/467,083  
; FILING DATE: 06-JUN-1995  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/414,417  
; FILING DATE: 06-JUN-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Sharkey, Richard G.  
; REGISTRATION NUMBER: 32,629  
; REFERENCE/DOCKET NUMBER: 920010.448C2  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (206) 622-4900  
; TELEFAX: (206) 682-6031  
; TELEX: 3723836 SEDANBERRY  
; INFORMATION FOR SEQ ID NO: 31:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 15 amino acids  
; TYPE: amino acid

;; TOPOLOGY: linear  
;; US-08-467-083-31

Query Match 3.6%; Score 15; DB 1; Length 15;  
Best Local Similarity 100.0%; Pred. No. 2.2e-07;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 95 PLORLRIYRGTOLE 109  
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DB 1 PLORLRIYRGTOLE 15

RESULT 15  
US-08-467-083-32  
; Sequence 32, Application US/08467083  
; Patent No. 5726023  
; GENERAL INFORMATION:  
; APPLICANT: Cheever, Martin A.  
; TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/NEU PROTEIN  
; TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE  
; TITLE OF INVENTION: HER-2/NEU ONCOGENE IS ASSOCIATED  
; NUMBER OF SEQUENCES: 68  
; CORRESPONDENCE ADDRESS:  
; ADDRESS: Seed and Berry  
; STREET: 6300 Columbia Center, 701 Fifth Avenue  
; CITY: Seattle  
; STATE: Washington  
; COUNTRY: US  
; ZIP: 98104-7092  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/467,083  
; FILING DATE: 06-JUN-1995  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/414,417  
; FILING DATE: 06-JUN-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Sharkey, Richard G.  
; REGISTRATION NUMBER: 32,629  
; REFERENCE/DOCKET NUMBER: 920010.448C2  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (206) 622-4900  
; TELEFAX: (206) 682-6031  
; TELEX: 3723836 SEDANBERRY  
; INFORMATION FOR SEQ ID NO: 32:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 15 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
;; US-08-467-083-32

Query Match 3.6%; Score 15; DB 1; Length 15;  
Best Local Similarity 100.0%; Pred. No. 2.2e-07;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 142 LRSITETILKGVILQ 156  
|||||  
DB 1 LRSITETILKGVILQ 15

Search completed: June 4, 2004, 10:56:56  
Job time : 24 secs

Fri Jun 4 11:10:13 2004

US-09-234-208b-2.rapb

Page 1

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: June 4, 2004, 10:40:12 ; Search time 65.6265 Seconds  
(without alignments)  
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Title: US-09-234-208b-2

Sequence: 1 METALCRMGGLALPLPGA.....VGRGPDPAVAVNLSRYSG 419

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Searched: 1155919 seqs, 28138677 residues

Total number of hits satisfying chosen parameters: 1155919

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :  
1: Published Applications\_AA:\*  
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3: /cgn2\_6/ptodata/2/pubppa/PCT\_NEW\_PUB.pep:\*  
4: /cgn2\_6/ptodata/2/pubppa/US06\_NEW\_PUB.pep:\*  
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18: /cgn2\_6/ptodata/2/pubppa/US60\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2183	95.5	419	US-10-344-470-2	Sequence 2, Appl1
2	2171	94.9	419	US-10-302-663-2	Sequence 2, Appl1
3	1879.5	82.2	720	US-10-412-804A-6	Sequence 6, Appl1
4	1878	82.1	645	US-09-921-161-1	Sequence 1, Appl1
5	1878	82.1	645	US-10-268-501-13	Sequence 13, Appl1
6	1878	82.1	645	US-10-608-626-13	Sequence 13, Appl1
7	1878	82.1	653	US-09-854-356-3	Sequence 3, Appl1
8	1878	82.1	653	US-10-412-804A-4	Sequence 4, Appl1
9	1878	82.1	690	US-10-412-804A-11	Sequence 11, Appl1
10	1878	82.1	712	US-09-854-356-7	Sequence 7, Appl1
11	1878	82.1	715	US-10-412-804A-10	Sequence 10, Appl1
12	1878	82.1	919	US-09-854-356-6	Sequence 6, Appl1
13	1878	82.1	1253	US-10-146-473-72	Sequence 72, Appl1
14	1878	82.1	1255	US-09-811-123-9	Sequence 9, Appl1
15	1878	82.1	1255	US-09-811-115-3	Sequence 3, Appl1

16	1878	82.1	1255	US-09-769-508-2	Sequence 2, Appl1
17	1878	82.1	1255	US-09-854-356-1	Sequence 1, Appl1
18	1878	82.1	1255	US-09-930-125-2	Sequence 2, Appl1
19	1878	82.1	1255	US-09-441-411-6	Sequence 6, Appl1
20	1878	82.1	1255	US-09-984-092-4	Sequence 3, Appl1
21	1878	82.1	1255	US-10-469-162-3	Sequence 3, Appl1
22	1878	82.1	1255	US-10-253-286-553	Sequence 553, Appl1
23	1878	82.1	1255	US-09-765-973-2	Sequence 2, Appl1
24	1878	82.1	1255	US-10-418-027-3	Sequence 3, Appl1
25	1878	82.1	1255	US-10-207-655-15	Sequence 126, Appl1
26	1878	82.1	1255	US-10-177-293-126	Sequence 6, Appl1
27	1878	82.1	1255	US-10-207-498-6	Sequence 2, Appl1
28	1878	82.1	1255	US-10-338-730-2	Sequence 2, Appl1
29	1878	82.1	1255	US-10-313-644-2	Sequence 2, Appl1
30	1878	82.1	1255	US-10-322-892-4	Sequence 28, Appl1
31	1878	82.1	1255	US-10-272-437A-28	Sequence 594, Appl1
32	1878	82.1	1255	US-10-117-937-594	Sequence 17, Appl1
33	1878	82.1	1255	US-10-394-322A-17	Sequence 553, Appl1
34	1878	82.1	1255	US-10-245-871-553	Sequence 36, Appl1
35	1878	82.1	1255	US-10-435-696-36	Sequence 4641, Appl1
36	1878	82.1	1255	US-10-149-138-4641	Sequence 68, Appl1
37	1878	82.1	1255	US-10-647-005-68	Sequence 5, Appl1
38	1612.5	70.5	479	US-09-821-883-5	Sequence 3, Appl1
39	1610.5	70.4	564	US-09-821-883-3	Sequence 8, Appl1
40	1610.5	70.4	697	US-09-821-883-4	Sequence 8, Appl1
41	1608.5	70.3	654	US-09-854-356-8	Sequence 2, Appl1
42	1608.5	70.3	1256	US-09-854-356-2	Sequence 118, Appl1
43	1608.5	70.3	1260	US-09-870-755-118	Sequence 118, Appl1
44	1608.5	70.3	1260	US-09-751-708A-118	Sequence 1, Appl1
45	1607	70.3	555	US-09-821-883-1	Sequence 1, Appl1

### ALIGNMENTS

RESULT 1  
US-10-344-470-2  
Sequence 2, Application US/10344470  
Publication No. US20040052796A1  
GENERAL INFORMATION:  
APPLICANT: Clinton, Gail M.  
TITLE OF INVENTION: EXPRESSION OF HERSTATIN, AN ALTERNATIVE TO HER-2/NEU PRODUCT, IN THAT EXPRESS EITHER P185HER-2 OR THE BCF RECEPTOR INHIBITS RECE  
FILE REFERENCE: 49321-81  
CURRENT APPLICATION NUMBER: US/10/344,470  
CURRENT FILING DATE: 2003-06-09  
PRIOR APPLICATION NUMBER: PCT / US01/25502  
PRIOR FILING DATE: 2001-08-14  
PRIOR APPLICATION NUMBER: US 09/638,834  
PRIOR FILING DATE: 2000-08-14  
NUMBER OF SEQ ID NOS: 10  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 2  
LENGTH: 419  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: MISC FEATURE  
LOCATION: (342)..(342)  
OTHER INFORMATION: Applicants herein disclose Thr and Ser sequence variants at this  
FEATURE:  
NAME/KEY: MISC FEATURE  
LOCATION: (345)..(345)  
OTHER INFORMATION: Applicants herein disclose Leu and Pro sequence variants at this  
FEATURE:  
NAME/KEY: MISC FEATURE  
LOCATION: (346)..(346)  
OTHER INFORMATION: Applicants herein disclose Pro and Leu sequence variants at this  
FEATURE:  
OTHER INFORMATION: position

NAME/KEY: MISC FEATURE  
LOCATION: (356)..(356)  
OTHER INFORMATION: Applicants herein disclose Leu and Gln sequence variants at this  
OTHER INFORMATION: position  
NAME/KEY: MISC FEATURE  
LOCATION: (358)..(358)  
OTHER INFORMATION: Applicants herein disclose Met and Leu sequence variants at this  
OTHER INFORMATION: position  
NAME/KEY: MISC FEATURE  
LOCATION: (361)..(361)  
OTHER INFORMATION: Applicants herein disclose Gly, Asp, Ala and Val sequence variant  
OTHER INFORMATION: s at this position  
FEATURE:  
NAME/KEY: MISC FEATURE  
LOCATION: (376)..(376)  
OTHER INFORMATION: Applicants herein disclose Leu and Ile sequence variants at this  
OTHER INFORMATION: position  
FEATURE:  
NAME/KEY: MISC FEATURE  
LOCATION: (394)..(394)  
OTHER INFORMATION: Applicants herein disclose Pro and Arg sequence variants at this  
OTHER INFORMATION: position  
FEATURE:  
NAME/KEY: MISC FEATURE  
LOCATION: (404)..(404)  
OTHER INFORMATION: Applicants herein disclose Pro and Leu sequence variants at this  
OTHER INFORMATION: position  
FEATURE:  
NAME/KEY: MISC FEATURE  
LOCATION: (413)..(413)  
OTHER INFORMATION: Applicants herein disclose Asp and Asn sequence variants at this  
OTHER INFORMATION: position  
US-10-344-470-2

Query Match 95.5%; Score 2183; DB 12; Length 419;  
Best Local Similarity 95.9%; Pred. No. 6.3e-173;  
Matches 402; Conservative 0; Mismatches 17; Indels 0; Gaps 0;

QY 1 MELALCRWGLLALPPGAASVCTGTDMKRLPASPETHLMLRHLRYGCGVVOGNTL 60  
DB 1 MELALCRWGLLALPPGAASVCTGTDMKRLPASPETHLMLRHLRYGCGVVOGNTL 60  
QY 61 ELTYLPTNASLFLQDIOEVGVYLAHQVROVPLQRLRIVRGTLFEDNYALAVDNG 120  
DB 61 ELTYLPTNASLFLQDIOEVGVYLAHQVROVPLQRLRIVRGTLFEDNYALAVDNG 120  
QY 121 DPLANTTPTVGTASPGRLRLQRLSLTEILKGVLIQRNPQLCYODTILMKDIFHKNNOLA 180  
DB 121 DPLANTTPTVGTASPGRLRLQRLSLTEILKGVLIQRNPQLCYODTILMKDIFHKNNOLA 180  
QY 181 LFLIDNRRACHPGSPCKSGRCWGESSEDCSLTRVYACGGACRCKGPLEPTDCHEQC 240  
DB 181 LFLIDNRRACHPGSPCKSGRCWGESSEDCSLTRVYACGGACRCKGPLEPTDCHEQC 240  
QY 241 AAGCTGPKASDCLACLFHNSGICELKCPALVTYNTDTRESNPNPGRTRTBCASCTACP 300  
DB 241 AAGCTGPKASDCLACLFHNSGICELKCPALVTYNTDTRESNPNPGRTRTBCASCTACP 300  
QY 301 VNYLSDVGSCTIVCELANQEVTAEDTORCEKCSKPCARGTHSLPRDAVVPVRLMP 360  
DB 301 VNYLSDVGSCTIVCELANQEVTAEDTORCEKCSKPCARGTHSLPRDAVVPVRLMP 360  
QY 361 GPAPVLSLRPSMDLVSAFYSLPLAPLPTSPVPSVGVGSGPDDDAVAVNLRYEG 419  
DB 361 GPAPVLSLRPSMDLVSAFYSLPLAPLPTSPVPSVGVGSGPDDDAVAVNLRYEG 419

RESULT 2  
US-10-302-663-2  
Sequence 2, Application US/10302663  
Publication No. US20040022785A1

GENERAL INFORMATION:  
APPLICANT: Clinton, Gail M.  
TITLE OF INVENTION: EXPRESSION OF HERSTATTIN, AN ALTERNATIVE HER-2/NEU PRODUCT, IN C  
TITLE OF INVENTION: EXPRESS EITHER P185HER-2 OR THE BCF RECEPTOR INHIBITS RECEPTOR  
FILE REFERENCE: 49321-73  
CURRENT APPLICATION NUMBER: US/10/302,663  
CURRENT FILING DATE: 2002-11-22  
PRIORITY FILING DATE: 2000-08-14  
PRIORITY FILING DATE: 2000-08-14  
SEQ ID NO 2  
LENGTH: 419  
TYPE: PRT  
ORGANISM: Homo Sapiens  
FEATURE:  
NAME/KEY: VARIANT  
LOCATION: 342  
OTHER INFORMATION: Applicants herein disclose Thr and Ser sequence variants at thi  
FEATURE:  
NAME/KEY: VARIANT  
LOCATION: 345  
OTHER INFORMATION: Applicants herein disclose Leu and Pro sequence variants at thi  
FEATURE:  
NAME/KEY: VARIANT  
LOCATION: 346  
OTHER INFORMATION: Applicants herein disclose Pro and Leu sequence variants at thi  
FEATURE:  
NAME/KEY: VARIANT  
LOCATION: 356  
OTHER INFORMATION: Applicants herein disclose Leu and Gln sequence variants at thi  
FEATURE:  
NAME/KEY: VARIANT  
LOCATION: 358  
OTHER INFORMATION: Applicants herein disclose Met and Leu sequence variants at thi  
FEATURE:  
NAME/KEY: VARIANT  
LOCATION: 361  
OTHER INFORMATION: Applicants herein disclose Gly, Asp, Ala and Val sequence varia  
OTHER INFORMATION: position  
FEATURE:  
NAME/KEY: VARIANT  
LOCATION: 376  
OTHER INFORMATION: Applicants herein disclose Leu and Ile sequence variants at thi  
FEATURE:  
NAME/KEY: VARIANT  
LOCATION: 394  
OTHER INFORMATION: Applicants herein disclose Pro and Arg sequence variants at thi  
OTHER INFORMATION: position  
FEATURE:  
NAME/KEY: VARIANT  
LOCATION: 404  
OTHER INFORMATION: Applicants herein disclose Pro and Leu sequence variants at thi  
FEATURE:  
NAME/KEY: VARIANT  
LOCATION: 413  
OTHER INFORMATION: Applicants herein disclose Asp and Asn sequence variants at thi  
US-10-302-663-2

Query Match 94.9%; Score 2171; DB 16; Length 419;  
Best Local Similarity 95.5%; Pred. No. 6.2e-172;  
Matches 400; Conservative 0; Mismatches 19; Indels 0; Gaps 0;

QY 1 MELALCRWGLLALPPGAASVCTGTDMKRLPASPETHLMLRHLRYGCGVVOGNTL 60  
DB 1 MELALCRWGLLALPPGAASVCTGTDMKRLPASPETHLMLRHLRYGCGVVOGNTL 60  
QY 61 ELTYLPTNASLFLQDIOEVGVYLAHQVROVPLQRLRIVRGTLFEDNYALAVDNG 120  
DB 61 ELTYLPTNASLFLQDIOEVGVYLAHQVROVPLQRLRIVRGTLFEDNYALAVDNG 120  
QY 121 DPLANTTPTVGTASPGRLRLQRLSLTEILKGVLIQRNPQLCYODTILMKDIFHKNNOLA 180  
DB 121 DPLANTTPTVGTASPGRLRLQRLSLTEILKGVLIQRNPQLCYODTILMKDIFHKNNOLA 180

QY 181 LTLIDNRSRACHPCSPCKGSCWGESSEDCQSLRTVCAAGCCARCKGPLPTDCHBQC 240  
 DB 181 LTLIDNRSRACHPCSPCKGSCWGESSEDCQSLRTVCAAGCCARCKGPLPTDCHBQC 240  
 QY 241 AAGCTGPKRSDCLACIAPHNSGICELHCPALVTYNTDTESMNPBGRYTFGASCVTACP 300  
 DB 241 AAGCTGPKRSDCLACIAPHNSGICELHCPALVTYNTDTESMNPBGRYTFGASCVTACP 300  
 QY 301 YNVLSTDVGSCTLVCPLENOEVTAEADGTQRCCKSKPCARVTCYGLGMEHLREVRATSAN 360  
 DB 301 YNVLSTDVGSCTLVCPLENOEVTAEADGTQRCCKSKPCARVTCYGLGMEHLREVRATSAN 360  
 QY 361 GPHAPLPSFLRPSMDVSAFYSPLAPLSTSVISPVSGRGPDPDAVAVALSRYEG 419  
 DB 361 XPHAPLPSFLRPSMDVSAFYSPLAPLSTSVISPVSGRGPDPDAVAVALSRYEG 419

## RESULT 3

US-10-412-804A-6  
 ; Sequence 6, Application US/10412804A  
 ; Publication No. US20030228606A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Jiny, Shuguan  
 ; APPLICANT: Tatariewicz, Suzanna  
 ; TITLE OF INVENTION: HER-2 Receptor Tyrosine Kinase Molecules and Uses  
 ; TITLE OF INVENTION: Theraef  
 ; FILE REFERENCE: 01-1624-A  
 ; CURRENT APPLICATION NUMBER: US/10/412,804A  
 ; CURRENT FILING DATE: 2003-04-11  
 ; PRIOR APPLICATION NUMBER: 60/371,912  
 ; PRIOR FILING DATE: 2002-04-11  
 ; NUMBER OF SEQ ID NOS: 17  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 6  
 ; LENGTH: 720  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 ; US-10-412-804A-6

Query Match 82.2%; Score 1879.5; DB 15; Length 720;  
 Best Local Similarity 76.9%; Pred. No. 2.1e-147;  
 Matches 367; Conservative 7; Mismatches 40; Indels 63; Gaps 7;

QY 1 MELALCRMGILLALPPGAASCTVCTGDMKRLPASPETHLDMRLHYGCGVQGNL 60  
 DB 1 MELALCRMGILLALPPGAASCTVCTGDMKRLPASPETHLDMRLHYGCGVQGNL 60  
 QY 61 ELTYLPPTNASLFLQDIOEVQGVYLIANOVROVPLQRLRIYRGTOLEFEDNYALAVLDNG 120  
 DB 61 ELTYLPPTNASLFLQDIOEVQGVYLIANOVROVPLQRLRIYRGTOLEFEDNYALAVLDNG 120  
 QY 121 DPINLTPTVTCASPGGLRELQRLSTELIKGVALIQRPOLCYQDTILMKDIFHKNQLA 180  
 DB 121 DPINLTPTVTCASPGGLRELQRLSTELIKGVALIQRPOLCYQDTILMKDIFHKNQLA 180  
 QY 181 LTLIDNRSRACHPCSPCKGSCWGESSEDCQSLRTVCAAGCCARCKGPLPTDCHBQC 240  
 DB 181 LTLIDNRSRACHPCSPCKGSCWGESSEDCQSLRTVCAAGCCARCKGPLPTDCHBQC 240  
 QY 241 AAGCTGPKRSDCLACIAPHNSGICELHCPALVTYNTDTESMNPBGRYTFGASCVTACP 300  
 DB 241 AAGCTGPKRSDCLACIAPHNSGICELHCPALVTYNTDTESMNPBGRYTFGASCVTACP 300  
 QY 301 YNVLSTDVGSCTLVCPLENOEVTAEADGTQRCCKSKPCARVTCYGLGMEHLREVRATSAN 360  
 DB 301 YNVLSTDVGSCTLVCPLENOEVTAEADGTQRCCKSKPCARVTCYGLGMEHLREVRATSAN 360  
 QY 361 GPHAPLPSFLRPSMDVSAFYSPLAPLSTSVISPVSGRGPDPDAVAVALSRYEG 419  
 DB 361 GPHAPLPSFLRPSMDVSAFYSPLAPLSTSVISPVSGRGPDPDAVAVALSRYEG 419

DB 421 -----YRDPASNTAPLQREQLQVFTLEETITGVLIISAMPDPLPPLSTFQNLQVIRG 472

## RESULT 4

US-09-921-161-1  
 ; Sequence 1, Application US/09921161  
 ; Patent No. US20020090662A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ralph, Peter  
 ; TITLE OF INVENTION: ANALYTICAL METHOD  
 ; FILE REFERENCE: GENEENT.066A  
 ; CURRENT APPLICATION NUMBER: US/09/921,161  
 ; CURRENT FILING DATE: 2001-08-01  
 ; PRIOR APPLICATION NUMBER: 60/225,433  
 ; PRIOR FILING DATE: 2000-08-15  
 ; NUMBER OF SEQ ID NOS: 1  
 ; SOFTWARE: FastSeq for Windows Version 4.0  
 ; SEQ ID NO 1  
 ; LENGTH: 645  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 ; US-09-921-161-1

Query Match 82.1%; Score 1878; DB 9; Length 645;  
 Best Local Similarity 83.0%; Pred. No. 2.4e-147;  
 Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MELALCRMGILLALPPGAASCTVCTGDMKRLPASPETHLDMRLHYGCGVQGNL 60  
 DB 1 MELALCRMGILLALPPGAASCTVCTGDMKRLPASPETHLDMRLHYGCGVQGNL 60  
 QY 61 ELTYLPPTNASLFLQDIOEVQGVYLIANOVROVPLQRLRIYRGTOLEFEDNYALAVLDNG 120  
 DB 61 ELTYLPPTNASLFLQDIOEVQGVYLIANOVROVPLQRLRIYRGTOLEFEDNYALAVLDNG 120  
 QY 121 DPINLTPTVTCASPGGLRELQRLSTELIKGVALIQRPOLCYQDTILMKDIFHKNQLA 180  
 DB 121 DPINLTPTVTCASPGGLRELQRLSTELIKGVALIQRPOLCYQDTILMKDIFHKNQLA 180  
 QY 181 LTLIDNRSRACHPCSPCKGSCWGESSEDCQSLRTVCAAGCCARCKGPLPTDCHBQC 240  
 DB 181 LTLIDNRSRACHPCSPCKGSCWGESSEDCQSLRTVCAAGCCARCKGPLPTDCHBQC 240  
 QY 241 AAGCTGPKRSDCLACIAPHNSGICELHCPALVTYNTDTESMNPBGRYTFGASCVTACP 300  
 DB 241 AAGCTGPKRSDCLACIAPHNSGICELHCPALVTYNTDTESMNPBGRYTFGASCVTACP 300  
 QY 301 YNVLSTDVGSCTLVCPLENOEVTAEADGTQRCCKSKPCARVTCYGLGMEHLREVRATSAN 360  
 DB 301 YNVLSTDVGSCTLVCPLENOEVTAEADGTQRCCKSKPCARVTCYGLGMEHLREVRATSAN 360  
 QY 361 IAFAGCKKIFGSLAFIPESFDGASNT---APLQPOLQVFTLEETITGVLIISAMPD 417  
 DB 361 IAFAGCKKIFGSLAFIPESFDGASNT---APLQPOLQVFTLEETITGVLIISAMPD 417

## RESULT 5

US-10-268-501-13  
 ; Sequence 13, Application US/10268501  
 ; Publication No. US20030086924A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Sliwkowski, Mark X.  
 ; TITLE OF INVENTION: Treatment with Anti-ErbB2 Antibodies  
 ; FILE REFERENCE: P16782P1  
 ; CURRENT APPLICATION NUMBER: US/10/268,501  
 ; CURRENT FILING DATE: 2002-10-10  
 ; PRIOR APPLICATION NUMBER: US 09/602,812  
 ; PRIOR FILING DATE: 2000-06-23

PRIOR APPLICATION NUMBER: US 60/141,316  
 PRIOR FILING DATE: 1999-06-25  
 NUMBER OF SEQ ID NOS: 13  
 SEQ ID NO 13  
 LENGTH: 645  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-10-268-501-13

Query Match 82.1%; Score 1878; DB 14; Length 645;  
 Best Local Similarity 83.0%; Pred. No. 2.4e-147;  
 Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MELAALCRWGLLALLPRGAASVQVCTGTDMKRLPASPEHLDMLRHLVGGCVQVQGNL 60  
 DB 1 MELAALCRWGLLALLPRGAASVQVCTGTDMKRLPASPEHLDMLRHLVGGCVQVQGNL 60  
 QY 61 ELTYLPTNASLSFLQDIOEVQGYVLIANQVRQVPLQRLRIVRGTOLFEDNYALAVLDNG 120  
 DB 61 ELTYLPTNASLSFLQDIOEVQGYVLIANQVRQVPLQRLRIVRGTOLFEDNYALAVLDNG 120  
 QY 121 DPLNNTPTVGTASPGGIRELQRLSLTEILKGGVLIQNRPOLCYQDTILMKDIFHKNNOLA 180  
 DB 121 DPLNNTPTVGTASPGGIRELQRLSLTEILKGGVLIQNRPOLCYQDTILMKDIFHKNNOLA 180  
 QY 181 LTLIDTNRSAHCPCSPMKGSRGCGESSEDCOSLTRTVAGAGCARCKGPLPTDCCHQC 240  
 DB 181 LTLIDTNRSAHCPCSPMKGSRGCGESSEDCOSLTRTVAGAGCARCKGPLPTDCCHQC 240  
 QY 241 AAGCTGPKHSDCLACLFHNSGICELHCPALVYNTDTFESMNPBGRYTFGASCCTTAC 300  
 DB 241 AAGCTGPKHSDCLACLFHNSGICELHCPALVYNTDTFESMNPBGRYTFGASCCTTAC 300  
 QY 301 YNYLSTDVGSCTLVCPHNOEVTAEADGTORCEKSKPCAR-----GTHSLPRPAVVP 355  
 DB 301 YNYLSTDVGSCTLVCPHNOEVTAEADGTORCEKSKPCARVCGYGLMHEHLEVRAYVTSAN 360  
 QY 356 LRMQPG--PAHPVLSFLRPSMDLVSIFYSLPLAPLSPTSVI-----SPVSVGRGPD 405  
 DB 356 LRMQPG--PAHPVLSFLRPSMDLVSIFYSLPLAPLSPTSVI-----SPVSVGRGPD 405  
 QY 406 --PDAPVAVNLSRYEG 419  
 DB 406 --PDAPVAVNLSRYEG 419  
 QY 418 SLPLDSVFQNLQVIRG 433  
 DB 418 SLPLDSVFQNLQVIRG 433

## RESULT 6

US-10-608-626-13  
 Sequence 13, Application US/10608626  
 Publication No. US2004001367A1  
 GENERAL INFORMATION:  
 APPLICANT: Kelsey, Stephen M.  
 APPLICANT: Sliwowski, Mark X.  
 TITLE OF INVENTION: Treatment with Anti-ErbB2 Antibodies  
 FILE REFERENCE: P146782P2  
 CURRENT APPLICATION NUMBER: US/10/608,626  
 CURRENT FILING DATE: 2003-06-27  
 PRIOR APPLICATION NUMBER: US 10/268,501  
 PRIOR FILING DATE: 2002-10-10  
 PRIOR APPLICATION NUMBER: US 09/602,812  
 PRIOR FILING DATE: 2000-06-23  
 PRIOR APPLICATION NUMBER: US 60/141,316  
 PRIOR FILING DATE: 1999-06-25  
 NUMBER OF SEQ ID NOS: 13  
 SEQ ID NO 13  
 LENGTH: 645  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-10-608-626-13

Query Match 82.1%; Score 1878; DB 15; Length 645;  
 Best Local Similarity 83.0%; Pred. No. 2.4e-147;  
 Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MELAALCRWGLLALLPRGAASVQVCTGTDMKRLPASPEHLDMLRHLVGGCVQVQGNL 60  
 DB 1 MELAALCRWGLLALLPRGAASVQVCTGTDMKRLPASPEHLDMLRHLVGGCVQVQGNL 60  
 QY 61 ELTYLPTNASLSFLQDIOEVQGYVLIANQVRQVPLQRLRIVRGTOLFEDNYALAVLDNG 120  
 DB 61 ELTYLPTNASLSFLQDIOEVQGYVLIANQVRQVPLQRLRIVRGTOLFEDNYALAVLDNG 120  
 QY 121 DPLNNTPTVGTASPGGIRELQRLSLTEILKGGVLIQNRPOLCYQDTILMKDIFHKNNOLA 180  
 DB 121 DPLNNTPTVGTASPGGIRELQRLSLTEILKGGVLIQNRPOLCYQDTILMKDIFHKNNOLA 180  
 QY 181 LTLIDTNRSAHCPCSPMKGSRGCGESSEDCOSLTRTVAGAGCARCKGPLPTDCCHQC 240  
 DB 181 LTLIDTNRSAHCPCSPMKGSRGCGESSEDCOSLTRTVAGAGCARCKGPLPTDCCHQC 240  
 QY 241 AAGCTGPKHSDCLACLFHNSGICELHCPALVYNTDTFESMNPBGRYTFGASCCTTAC 300  
 DB 241 AAGCTGPKHSDCLACLFHNSGICELHCPALVYNTDTFESMNPBGRYTFGASCCTTAC 300  
 QY 301 YNYLSTDVGSCTLVCPHNOEVTAEADGTORCEKSKPCAR-----GTHSLPRPAVVP 355  
 DB 301 YNYLSTDVGSCTLVCPHNOEVTAEADGTORCEKSKPCARVCGYGLMHEHLEVRAYVTSAN 360  
 QY 356 LRMQPG--PAHPVLSFLRPSMDLVSIFYSLPLAPLSPTSVI-----SPVSVGRGPD 405  
 DB 356 LRMQPG--PAHPVLSFLRPSMDLVSIFYSLPLAPLSPTSVI-----SPVSVGRGPD 405  
 QY 406 --PDAPVAVNLSRYEG 419  
 DB 406 --PDAPVAVNLSRYEG 419  
 QY 418 SLPLDSVFQNLQVIRG 433  
 DB 418 SLPLDSVFQNLQVIRG 433

## RESULT 7

US-09-854-356-3  
 Sequence 3, Application US/09854356  
 Patent No. US2002017567A1  
 GENERAL INFORMATION:  
 APPLICANT: Cheever, Martin A.  
 APPLICANT: Cheyssen, Dirk  
 APPLICANT: Corixa Corporation  
 APPLICANT: SmithKline Beecham Biologicals S. A.  
 TITLE OF INVENTION: HER-2/neu Fusion Proteins  
 FILE REFERENCE: 014058-009810PC  
 CURRENT APPLICATION NUMBER: US/09/854,356  
 CURRENT FILING DATE: 2001-05-09  
 PRIOR APPLICATION NUMBER: US 09/493,480  
 PRIOR FILING DATE: 2000-01-28  
 PRIOR APPLICATION NUMBER: US 60/117,976  
 PRIOR FILING DATE: 1999-01-29  
 NUMBER OF SEQ ID NOS: 26  
 SOFTWARE: Patent In Ver. 2.1  
 SEQ ID NO 3  
 LENGTH: 653  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 OTHER INFORMATION: extracellular domain (ECD) of human HER-2/neu  
 US-09-854-356-3

Query Match 82.1%; Score 1878; DB 9; Length 653;  
 Best Local Similarity 83.0%; Pred. No. 2.5e-147;  
 Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MELAALCRWGLLALLPRGAASVQVCTGTDMKRLPASPEHLDMLRHLVGGCVQVQGNL 60  
 DB 1 MELAALCRWGLLALLPRGAASVQVCTGTDMKRLPASPEHLDMLRHLVGGCVQVQGNL 60  
 QY 61 ELTYLPTNASLSFLQDIOEVQGYVLIANQVRQVPLQRLRIVRGTOLFEDNYALAVLDNG 120  
 DB 61 ELTYLPTNASLSFLQDIOEVQGYVLIANQVRQVPLQRLRIVRGTOLFEDNYALAVLDNG 120



QY 121 DPLNNTPTVTGASPGGLRELQRLSLTEILKGGVLIQRNPOLCYODTILMKDIFHKNNOLA 180  
 DB 121 DPLNNTPTVTGASPGGLRELQRLSLTEILKGGVLIQRNPOLCYODTILMKDIFHKNNOLA 180  
 QY 181 LTLIDNRRSARACHPCSPCKGSRCKWGESSEDCOSLTRTVACAGCARCKGRLPTDCCHEQC 240  
 DB 181 LTLIDNRRSARACHPCSPCKGSRCKWGESSEDCOSLTRTVACAGCARCKGRLPTDCCHEQC 240  
 QY 241 AAGCTGPKSDCLACIHFHNSGICELHCPALVTYNTDTPESMPNPEGRTYFGASCYTACP 300  
 DB 241 AAGCTGPKSDCLACIHFHNSGICELHCPALVTYNTDTPESMPNPEGRTYFGASCYTACP 300  
 QY 301 YNYLSTDVGSCTLVCPLENQVTAEDGTORCEKSKPCAR-----GTHSLRPPAIVP 355  
 DB 301 YNYLSTDVGSCTLVCPLENQVTAEDGTORCEKSKPCARVCGYGLGMEHLREYRAVTSAN 360  
 QY 356 LRMQPG--PAHVLSPFLRPSMDLVSAFYSLPLAPLSPTSVPI-----SPVSVGRGD 405  
 DB 356 LRMQPGCKI FGSLLAPLPSFDDDPASNT---APLQPEQLQVETLEBITGYLISAWPD 417  
 QY 406 --PDHVAVNLSEYEG 419  
 DB 418 SLPDLSVFQNLQVIRG 433

## RESULT 8

US-10-412-804A-4  
 Sequence 4, Application US/10412804A  
 Publication No. US20030228606A1  
 GENERAL INFORMATION:  
 APPLICANT: Jining, Shuguan  
 APPLICANT: Tatarewicz, Suzanne  
 TITLE OF INVENTION: HER-2 Receptor Tyrosine Kinase Molecules and Uses  
 TITLE OF INVENTION: Thetecol  
 FILE REFERENCE: 01-1624-A  
 CURRENT APPLICATION NUMBER: US/10/412,804A  
 CURRENT FILING DATE: 2003-04-11  
 PRIOR APPLICATION NUMBER: 60/371,912  
 PRIOR FILING DATE: 2002-04-11  
 NUMBER OF SEQ ID NOS: 17  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO 4  
 LENGTH: 685  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-10-412-804A-4

Query Match 82.1%; Score 1878; DB 15; Length 685;  
 Best Local Similarity 83.0%; Pred. No. 2,6e-147;  
 Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MEIAALCRWGLLALLPFGAASQVCTGDMKRLPASPEETHLDMRLHYOGQVQGNL 60  
 DB 1 MEIAALCRWGLLALLPFGAASQVCTGDMKRLPASPEETHLDMRLHYOGQVQGNL 60  
 QY 61 ELTYLPTNASLSFLDIOIEVQGVYLIHNOVROVPLORLRIYRGTLFEDNYALAVLNG 120  
 DB 61 ELTYLPTNASLSFLDIOIEVQGVYLIHNOVROVPLORLRIYRGTLFEDNYALAVLNG 120  
 QY 121 DPLNNTPTVTGASPGGLRELQRLSLTEILKGGVLIQRNPOLCYODTILMKDIFHKNNOLA 180  
 DB 121 DPLNNTPTVTGASPGGLRELQRLSLTEILKGGVLIQRNPOLCYODTILMKDIFHKNNOLA 180  
 QY 181 LTLIDNRRSARACHPCSPCKGSRCKWGESSEDCOSLTRTVACAGCARCKGRLPTDCCHEQC 240  
 DB 181 LTLIDNRRSARACHPCSPCKGSRCKWGESSEDCOSLTRTVACAGCARCKGRLPTDCCHEQC 240  
 QY 241 AAGCTGPKSDCLACIHFHNSGICELHCPALVTYNTDTPESMPNPEGRTYFGASCYTACP 300  
 DB 241 AAGCTGPKSDCLACIHFHNSGICELHCPALVTYNTDTPESMPNPEGRTYFGASCYTACP 300  
 QY 301 YNYLSTDVGSCTLVCPLENQVTAEDGTORCEKSKPCAR-----GTHSLRPPAIVP 355  
 DB 301 YNYLSTDVGSCTLVCPLENQVTAEDGTORCEKSKPCAR-----GTHSLRPPAIVP 355

DB 301 YNYLSTDVGSCTLVCPLENQVTAEDGTORCEKSKPCARVCGYGLGMEHLREYRAVTSAN 360  
 QY 356 LRMQPG--PAHVLSPFLRPSMDLVSAFYSLPLAPLSPTSVPI-----SPVSVGRGD 405  
 DB 356 LRMQPGCKI FGSLLAPLPSFDDDPASNT---APLQPEQLQVETLEBITGYLISAWPD 417  
 QY 406 --PDHVAVNLSEYEG 419  
 DB 418 SLPDLSVFQNLQVIRG 433

## RESULT 9

US-10-412-804A-11  
 Sequence 11, Application US/10412804A  
 Publication No. US20030228606A1  
 GENERAL INFORMATION:  
 APPLICANT: Jining, Shuguan  
 APPLICANT: Tatarewicz, Suzanne  
 TITLE OF INVENTION: HER-2 Receptor Tyrosine Kinase Molecules and Uses  
 TITLE OF INVENTION: Thetecol  
 FILE REFERENCE: 01-1624-A  
 CURRENT APPLICATION NUMBER: US/10/412,804A  
 CURRENT FILING DATE: 2003-04-11  
 PRIOR APPLICATION NUMBER: 60/371,912  
 PRIOR FILING DATE: 2002-04-11  
 NUMBER OF SEQ ID NOS: 17  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO 11  
 LENGTH: 690  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-10-412-804A-11

Query Match 82.1%; Score 1878; DB 15; Length 690;  
 Best Local Similarity 83.0%; Pred. No. 2,6e-147;  
 Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MEIAALCRWGLLALLPFGAASQVCTGDMKRLPASPEETHLDMRLHYOGQVQGNL 60  
 DB 1 MEIAALCRWGLLALLPFGAASQVCTGDMKRLPASPEETHLDMRLHYOGQVQGNL 60  
 QY 61 ELTYLPTNASLSFLDIOIEVQGVYLIHNOVROVPLORLRIYRGTLFEDNYALAVLNG 120  
 DB 61 ELTYLPTNASLSFLDIOIEVQGVYLIHNOVROVPLORLRIYRGTLFEDNYALAVLNG 120  
 QY 121 DPLNNTPTVTGASPGGLRELQRLSLTEILKGGVLIQRNPOLCYODTILMKDIFHKNNOLA 180  
 DB 121 DPLNNTPTVTGASPGGLRELQRLSLTEILKGGVLIQRNPOLCYODTILMKDIFHKNNOLA 180  
 QY 181 LTLIDNRRSARACHPCSPCKGSRCKWGESSEDCOSLTRTVACAGCARCKGRLPTDCCHEQC 240  
 DB 181 LTLIDNRRSARACHPCSPCKGSRCKWGESSEDCOSLTRTVACAGCARCKGRLPTDCCHEQC 240  
 QY 241 AAGCTGPKSDCLACIHFHNSGICELHCPALVTYNTDTPESMPNPEGRTYFGASCYTACP 300  
 DB 241 AAGCTGPKSDCLACIHFHNSGICELHCPALVTYNTDTPESMPNPEGRTYFGASCYTACP 300  
 QY 301 YNYLSTDVGSCTLVCPLENQVTAEDGTORCEKSKPCAR-----GTHSLRPPAIVP 355  
 DB 301 YNYLSTDVGSCTLVCPLENQVTAEDGTORCEKSKPCARVCGYGLGMEHLREYRAVTSAN 360  
 QY 356 LRMQPG--PAHVLSPFLRPSMDLVSAFYSLPLAPLSPTSVPI-----SPVSVGRGD 405  
 DB 356 LRMQPGCKI FGSLLAPLPSFDDDPASNT---APLQPEQLQVETLEBITGYLISAWPD 417  
 QY 406 --PDHVAVNLSEYEG 419  
 DB 418 SLPDLSVFQNLQVIRG 433

## RESULT 10

US-09-854-356-7  
 Sequence 7, Application US/09854356

Patent No. US20020177567A1  
 GENERAL INFORMATION:  
 APPLICANT: Cheever, Martin A.  
 APPLICANT: Cheyssen, Dirk  
 APPLICANT: Corixa Corporation  
 APPLICANT: SmithKline Beecham Biologicals S. A.  
 TITLE OF INVENTION: HER-2/neu Fusion Proteins  
 FILE REFERENCE: 014058-009810PC  
 CURRENT APPLICATION NUMBER: US/09/854,356  
 CURRENT FILING DATE: 2001-05-09  
 PRIOR APPLICATION NUMBER: US 09/493,480  
 PRIOR FILING DATE: 2000-01-28  
 PRIOR APPLICATION NUMBER: US 60/117,976  
 PRIOR FILING DATE: 1999-01-29  
 NUMBER OF SEQ ID NOS: 26  
 SOFTWARE: PatentIn Ver. 2.1  
 SEQ ID NO 7  
 LENGTH: 712  
 TYPE: PRT  
 ORGANISM: Artificial Sequence  
 FEATURES:  
 OTHER INFORMATION: Description of Artificial Sequence: fusion protein  
 OTHER INFORMATION: of ECD and delta PD of human HER-2/neu  
 US-09-854-356-7

Query Match 82.1%; Score 1878; DB 9; Length 712;  
 Best Local Similarity 83.0%; Pred. No. 2,76-147;  
 Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MEALALCRMGILLALPPGAASVCTGTGMDRLPASPETHLDMRLHYOGCCVVGNTL 60  
 DB 1 MEALALCRMGILLALPPGAASVCTGTGMDRLPASPETHLDMRLHYOGCCVVGNTL 60  
 QY 61 ELTYLPTNASLSFLQDIQEVGYVLAHQVQVPLQRLRVGTQLFEDNYALAVLNG 120  
 DB 61 ELTYLPTNASLSFLQDIQEVGYVLAHQVQVPLQRLRVGTQLFEDNYALAVLNG 120  
 QY 121 PLNNTPTVGTASPGRLRLQSLTEILKGVLIQNPOLCYQDTILMKDIFKNNOLA 180  
 DB 121 PLNNTPTVGTASPGRLRLQSLTEILKGVLIQNPOLCYQDTILMKDIFKNNOLA 180  
 QY 181 LTLIDNRSRACHPCSPKCKGRCKGSESDQSLTRTVCAAGCARCKGFLPTDCHEQC 240  
 DB 181 LTLIDNRSRACHPCSPKCKGRCKGSESDQSLTRTVCAAGCARCKGFLPTDCHEQC 240  
 QY 241 AAGCTGPHSDCLACHFNHSGICELHCPALVTYNTDFESMPNPEGRTYFGASCYTAAP 300  
 DB 241 AAGCTGPHSDCLACHFNHSGICELHCPALVTYNTDFESMPNPEGRTYFGASCYTAAP 300  
 QY 301 YNYLSTVGSCTLVCPHNOEVTAEEDGTORCEKSKPCAR-----GTHSLRPAAVVP 355  
 DB 301 YNYLSTVGSCTLVCPHNOEVTAEEDGTORCEKSKPCARVYGLMEHLREVAVTSAN 360  
 QY 356 LKMPG--PAHPTSLRPSMDVSAFVSLPAPLSPTSVI-----SPVSVGRGPD 405  
 DB 356 LKMPG--PAHPTSLRPSMDVSAFVSLPAPLSPTSVI-----SPVSVGRGPD 405  
 QY 361 IQEPACCKKIFGSLAPLPESFDGDPASNT--APLQEQQLQVFTLEITGLYIISAWPD 417  
 DB 361 IQEPACCKKIFGSLAPLPESFDGDPASNT--APLQEQQLQVFTLEITGLYIISAWPD 417  
 QY 406 --PDAAVAVNLSRYEG 419  
 DB 406 --PDAAVAVNLSRYEG 419  
 QY 418 SLPLDSVFNQLQVIRG 433  
 DB 418 SLPLDSVFNQLQVIRG 433

RESULT 11  
 US-10-412-804A-10  
 Sequence 10, Application US/10412804A  
 Publication No. US20030228606A1  
 GENERAL INFORMATION:  
 APPLICANT: Jjing, Shugian  
 APPLICANT: Tatarewicz, Susanna  
 TITLE OF INVENTION: HER-2 Receptor Tyrosine Kinase Molecules and Uses  
 FILE REFERENCE: 01-1624-A  
 CURRENT APPLICATION NUMBER: US/10/412,804A

CURRENT FILING DATE: 2003-04-11  
 PRIOR APPLICATION NUMBER: 60/371,912  
 PRIOR FILING DATE: 2002-04-11  
 NUMBER OF SEQ ID NOS: 17  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO 10  
 LENGTH: 715  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-10-412-804A-10

Query Match 82.1%; Score 1878; DB 15; Length 715;  
 Best Local Similarity 83.0%; Pred. No. 2,8e-147;  
 Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MEALALCRMGILLALPPGAASVCTGTGMDRLPASPETHLDMRLHYOGCCVVGNTL 60  
 DB 1 MEALALCRMGILLALPPGAASVCTGTGMDRLPASPETHLDMRLHYOGCCVVGNTL 60  
 QY 61 ELTYLPTNASLSFLQDIQEVGYVLAHQVQVPLQRLRVGTQLFEDNYALAVLNG 120  
 DB 61 ELTYLPTNASLSFLQDIQEVGYVLAHQVQVPLQRLRVGTQLFEDNYALAVLNG 120  
 QY 121 PLNNTPTVGTASPGRLRLQSLTEILKGVLIQNPOLCYQDTILMKDIFKNNOLA 180  
 DB 121 PLNNTPTVGTASPGRLRLQSLTEILKGVLIQNPOLCYQDTILMKDIFKNNOLA 180  
 QY 181 LTLIDNRSRACHPCSPKCKGRCKGSESDQSLTRTVCAAGCARCKGFLPTDCHEQC 240  
 DB 181 LTLIDNRSRACHPCSPKCKGRCKGSESDQSLTRTVCAAGCARCKGFLPTDCHEQC 240  
 QY 241 AAGCTGPHSDCLACHFNHSGICELHCPALVTYNTDFESMPNPEGRTYFGASCYTAAP 300  
 DB 241 AAGCTGPHSDCLACHFNHSGICELHCPALVTYNTDFESMPNPEGRTYFGASCYTAAP 300  
 QY 301 YNYLSTVGSCTLVCPHNOEVTAEEDGTORCEKSKPCAR-----GTHSLRPAAVVP 355  
 DB 301 YNYLSTVGSCTLVCPHNOEVTAEEDGTORCEKSKPCARVYGLMEHLREVAVTSAN 360  
 QY 356 LKMPG--PAHPTSLRPSMDVSAFVSLPAPLSPTSVI-----SPVSVGRGPD 405  
 DB 356 LKMPG--PAHPTSLRPSMDVSAFVSLPAPLSPTSVI-----SPVSVGRGPD 405  
 QY 361 IQEPACCKKIFGSLAPLPESFDGDPASNT--APLQEQQLQVFTLEITGLYIISAWPD 417  
 DB 361 IQEPACCKKIFGSLAPLPESFDGDPASNT--APLQEQQLQVFTLEITGLYIISAWPD 417  
 QY 406 --PDAAVAVNLSRYEG 419  
 DB 406 --PDAAVAVNLSRYEG 419  
 QY 418 SLPLDSVFNQLQVIRG 433  
 DB 418 SLPLDSVFNQLQVIRG 433

RESULT 12  
 US-09-854-356-6  
 Sequence 6, Application US/09854356  
 Patent No. US20020177567A1  
 GENERAL INFORMATION:  
 APPLICANT: Cheever, Martin A.  
 APPLICANT: Cheyssen, Dirk  
 APPLICANT: Corixa Corporation  
 APPLICANT: SmithKline Beecham Biologicals S. A.  
 TITLE OF INVENTION: HER-2/neu Fusion Proteins  
 FILE REFERENCE: 014058-009810PC  
 CURRENT APPLICATION NUMBER: US/09/854,356  
 CURRENT FILING DATE: 2001-05-09  
 PRIOR APPLICATION NUMBER: US 09/493,480  
 PRIOR FILING DATE: 2000-01-28  
 PRIOR APPLICATION NUMBER: US 60/117,976  
 NUMBER OF SEQ ID NOS: 26  
 SOFTWARE: PatentIn Ver. 2.1  
 SEQ ID NO 6  
 LENGTH: 919  
 TYPE: PRT  
 ORGANISM: Artificial Sequence  
 OTHER INFORMATION: Description of Artificial Sequence: fusion protein

OTHER INFORMATION: of ECD and PD of human HER-2/neu  
US-09-854-356-6

Query Match 82.1%; Score 1878; DB 9; Length 919;  
Best Local Similarity 83.0%; Pred. No. 3,8e-147;  
Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 METALCRWGLLALIPGPAASVQVCTGDMKRLIPASPTLMDLRHLYOCQVQGNL 60  
DB 1 METALCRWGLLALIPGPAASVQVCTGDMKRLIPASPTLMDLRHLYOCQVQGNL 60  
QY 61 EETVLPNALSFLDIOEVOGVYLIANQVQVPLQRLIRVGTQLFEDNYALAVLNG 120  
DB 61 EETVLPNALSFLDIOEVOGVYLIANQVQVPLQRLIRVGTQLFEDNYALAVLNG 120  
QY 121 DEPLANTTPVTGASPGGLRELQRLSLTEILKGVLIQRNPOLCYODTILMKDIFHKNOLA 180  
DB 121 DEPLANTTPVTGASPGGLRELQRLSLTEILKGVLIQRNPOLCYODTILMKDIFHKNOLA 180  
QY 181 LTLIDNRSRACHPCSPMKGRSCWGESSEDCOSLTRVCAAGCARCKGPLEPTDCHEQC 240  
DB 181 LTLIDNRSRACHPCSPMKGRSCWGESSEDCOSLTRVCAAGCARCKGPLEPTDCHEQC 240  
QY 241 AAGCTGPKHSDCLACHFNHSGICELHCPALVTYNTDFESMPNEGRTYFGASCVTACP 300  
DB 241 AAGCTGPKHSDCLACHFNHSGICELHCPALVTYNTDFESMPNEGRTYFGASCVTACP 300  
QY 301 YNISTDVGSCITVCPINQEVTAEDGTQCEKSKPCAR-----GTHSLPRPAVPVP 355  
DB 301 YNISTDVGSCITVCPINQEVTAEDGTQCEKSKPCARVCCYGLGMEHLREVRAVTSAN 360  
QY 356 LRMQPG--PAHPVLSFLRPSMDLVSAPYSLPLAPLSPTSVPI-----SPVSVGRGPD 405  
DB 356 LRMQPG--PAHPVLSFLRPSMDLVSAPYSLPLAPLSPTSVPI-----SPVSVGRGPD 405  
QY 361 IOEFAGCKKIFGSLAFLESFDGDPASNT---APLQPEQLQVETLEITGYLYISAMPD 417  
DB 361 IOEFAGCKKIFGSLAFLESFDGDPASNT---APLQPEQLQVETLEITGYLYISAMPD 417  
QY 406 --PDAAVAVNLSRYEG 419  
DB 418 SLPLDSVFPQNLQVIRG 433

## RESULT 13

US-10-146-473-72  
Sequence 72; Application US/10146473  
Publication No. US2003010888A1  
GENERAL INFORMATION:  
APPLICANT: Scanlan, Matthew  
APPLICANT: Gout, Ivan  
APPLICANT: Stockert, Elisabeth  
APPLICANT: Gure, Ali  
APPLICANT: Chen, Yao-Tseeng  
APPLICANT: Old, Lloyd  
TITLE OF INVENTION: Breast Cancer Antigens  
FILE REFERENCE: L00461/70130 (JRV)  
CURRENT APPLICATION NUMBER: US/10/146,473  
CURRENT FILING DATE: 2002-05-15  
PRIOR APPLICATION NUMBER: US 60/291,150  
PRIOR FILING DATE: 2001-05-15  
NUMBER OF SEQ ID NOS: 82  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 72  
LENGTH: 1253  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-146-473-72

Query Match 82.1%; Score 1878; DB 14; Length 1253;  
Best Local Similarity 83.0%; Pred. No. 5,6e-147;  
Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;  
QY 1 METALCRWGLLALIPGPAASVQVCTGDMKRLIPASPTLMDLRHLYOCQVQGNL 60  
DB 1 METALCRWGLLALIPGPAASVQVCTGDMKRLIPASPTLMDLRHLYOCQVQGNL 60

QY 61 EETVLPNALSFLDIOEVOGVYLIANQVQVPLQRLIRVGTQLFEDNYALAVLNG 120  
DB 61 EETVLPNALSFLDIOEVOGVYLIANQVQVPLQRLIRVGTQLFEDNYALAVLNG 120  
QY 121 DEPLANTTPVTGASPGGLRELQRLSLTEILKGVLIQRNPOLCYODTILMKDIFHKNOLA 180  
DB 121 DEPLANTTPVTGASPGGLRELQRLSLTEILKGVLIQRNPOLCYODTILMKDIFHKNOLA 180  
QY 181 LTLIDNRSRACHPCSPMKGRSCWGESSEDCOSLTRVCAAGCARCKGPLEPTDCHEQC 240  
DB 181 LTLIDNRSRACHPCSPMKGRSCWGESSEDCOSLTRVCAAGCARCKGPLEPTDCHEQC 240  
QY 241 AAGCTGPKHSDCLACHFNHSGICELHCPALVTYNTDFESMPNEGRTYFGASCVTACP 300  
DB 241 AAGCTGPKHSDCLACHFNHSGICELHCPALVTYNTDFESMPNEGRTYFGASCVTACP 300  
QY 301 YNISTDVGSCITVCPINQEVTAEDGTQCEKSKPCAR-----GTHSLPRPAVPVP 355  
DB 301 YNISTDVGSCITVCPINQEVTAEDGTQCEKSKPCARVCCYGLGMEHLREVRAVTSAN 360  
QY 356 LRMQPG--PAHPVLSFLRPSMDLVSAPYSLPLAPLSPTSVPI-----SPVSVGRGPD 405  
DB 356 LRMQPG--PAHPVLSFLRPSMDLVSAPYSLPLAPLSPTSVPI-----SPVSVGRGPD 405  
QY 361 IOEFAGCKKIFGSLAFLESFDGDPASNT---APLQPEQLQVETLEITGYLYISAMPD 417  
DB 361 IOEFAGCKKIFGSLAFLESFDGDPASNT---APLQPEQLQVETLEITGYLYISAMPD 417  
QY 406 --PDAAVAVNLSRYEG 419  
DB 418 SLPLDSVFPQNLQVIRG 433

## RESULT 14

US-09-811-123-9  
Sequence 9; Application US/09811123  
Patent No. US2002001587A1  
GENERAL INFORMATION:  
APPLICANT: Sharon Erickson  
APPLICANT: Ralph Schwall  
APPLICANT: Mark Sliwowski  
TITLE OF INVENTION: METHODS OF TREATMENT USING ANTI-B2B8  
FILE REFERENCE: GENENT.073A2  
CURRENT APPLICATION NUMBER: US/09/811,123  
CURRENT FILING DATE: 2001-03-16  
PRIOR APPLICATION NUMBER: 60/238,327  
PRIOR FILING DATE: 2000-10-05  
PRIOR APPLICATION NUMBER: 09/602,530  
NUMBER OF SEQ ID NOS: 11  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 9  
LENGTH: 1255  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-811-123-9

Query Match 82.1%; Score 1878; DB 9; Length 1255;  
Best Local Similarity 83.0%; Pred. No. 5,6e-147;  
Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 METALCRWGLLALIPGPAASVQVCTGDMKRLIPASPTLMDLRHLYOCQVQGNL 60  
DB 1 METALCRWGLLALIPGPAASVQVCTGDMKRLIPASPTLMDLRHLYOCQVQGNL 60  
QY 61 EETVLPNALSFLDIOEVOGVYLIANQVQVPLQRLIRVGTQLFEDNYALAVLNG 120  
DB 61 EETVLPNALSFLDIOEVOGVYLIANQVQVPLQRLIRVGTQLFEDNYALAVLNG 120  
QY 121 DEPLANTTPVTGASPGGLRELQRLSLTEILKGVLIQRNPOLCYODTILMKDIFHKNOLA 180  
DB 121 DEPLANTTPVTGASPGGLRELQRLSLTEILKGVLIQRNPOLCYODTILMKDIFHKNOLA 180  
QY 181 LTLIDNRSRACHPCSPMKGRSCWGESSEDCOSLTRVCAAGCARCKGPLEPTDCHEQC 240  
DB 181 LTLIDNRSRACHPCSPMKGRSCWGESSEDCOSLTRVCAAGCARCKGPLEPTDCHEQC 240

QY 241 AAGCTGPKHSDCLACIHFHNSGICELHCPALVTYNTDTPESMNPBGRYTRGASCCTACP 300  
DB 241 AAGCTGPKHSDCLACIHFHNSGICELHCPALVTYNTDTPESMNPBGRYTRGASCCTACP 300  
QY 301 VYVLTSTVGSCTLVCPPLAHNQVTAEDGTQRCCKSKPCAR-----GTHSLRPPAAVVP 355  
DB 301 VYVLTSTVGSCTLVCPPLAHNQVTAEDGTQRCCKSKPCARVCGYGMHTRVRAVTSAN 360  
QY 356 LRMQPG--PAHVLSTFRLPSMDLVSAFTSLPLAPLSPTSVPI-----SPVSVGRGPD 405  
DB 361 IQEFGACKKIFGSLAFPLPESFDGDPASNT---APLQPEQLQVETLEBITGYLYISAMPD 417  
QY 406 --PDHVAVNLRSRYEG 419  
DB 418 SLPLSLVFQNLQVIRG 433

RESULT 15  
US-09-811-115-3  
Sequence 3, Application US/09811115  
Patent No. US20020035736A1  
GENERAL INFORMATION:  
APPLICANT: Eickson, Sharon  
APPLICANT: Schwall, Ralph  
APPLICANT: King, Kathleen  
TITLE OF INVENTION: HER-2 TRANSGENIC NON-HUMAN TUMOR MODEL  
FILE REFERENCE: GENENT 034A  
CURRENT APPLICATION NUMBER: US/09/811,115  
CURRENT FILING DATE: 2001-03-16  
PRIOR APPLICATION NUMBER: 60/189,844  
PRIOR FILING DATE: 2000-03-16  
NUMBER OF SEQ ID NOS: 4  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 3  
LENGTH: 1255  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-811-115-3

Query Match 82.1%; Score 1878; DB 9; Length 1255;  
Best Local Similarity 83.0%; Pred. No. 5.6e-147;  
Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MEIAALCRWGLLALALPPGAASTOVCTGTDMKRLRPASPEHLMRLHLYOGCQVVOGNTL 60  
DB 1 MEIAALCRWGLLALALPPGAASTOVCTGTDMKRLRPASPEHLMRLHLYOGCQVVOGNTL 60  
QY 61 ELTYLPTNASLSPLODIOEVQGVLLAHNQVROVPLQRLIRVGTQLFEDNYALAVLDNG 120  
DB 61 ELTYLPTNASLSPLODIOEVQGVLLAHNQVROVPLQRLIRVGTQLFEDNYALAVLDNG 120  
QY 121 DPLNNTTPTVGASPGGLARELQRLSLTEILKGVLIQRPOLCYQDTILMKDIFHKNQOLA 180  
DB 121 DPLNNTTPTVGASPGGLARELQRLSLTEILKGVLIQRPOLCYQDTILMKDIFHKNQOLA 180  
QY 181 LTLIDNRRACHPCGPKCKSGRCWSESEDCOSLTRIVAGGACAKGKPLPTDCHEQC 240  
DB 181 LTLIDNRRACHPCGPKCKSGRCWSESEDCOSLTRIVAGGACAKGKPLPTDCHEQC 240  
QY 241 AAGCTGPKHSDCLACIHFHNSGICELHCPALVTYNTDTPESMNPBGRYTRGASCCTACP 300  
DB 241 AAGCTGPKHSDCLACIHFHNSGICELHCPALVTYNTDTPESMNPBGRYTRGASCCTACP 300  
QY 301 VYVLTSTVGSCTLVCPPLAHNQVTAEDGTQRCCKSKPCAR-----GTHSLRPPAAVVP 355  
DB 301 VYVLTSTVGSCTLVCPPLAHNQVTAEDGTQRCCKSKPCARVCGYGMHTRVRAVTSAN 360  
QY 356 LRMQPG--PAHVLSTFRLPSMDLVSAFTSLPLAPLSPTSVPI-----SPVSVGRGPD 405  
DB 361 IQEFGACKKIFGSLAFPLPESFDGDPASNT---APLQPEQLQVETLEBITGYLYISAMPD 417  
QY 406 --PDHVAVNLRSRYEG 419

DB 418 SLPLSLVFQNLQVIRG 433

Search completed: June 4, 2004, 10:51:10  
Job time: 67.6265 secs

GenCore version 5.1.6  
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## OM protein - protein search, using sw model

Run on: June 4, 2004, 10:36:26 ; Search time 27.7651 Seconds

(Without alignments)  
779,083 Million cell updates/sec

Title: US-09-234-208B-2

Perfect score: 2287

Sequence: 1 METALCRWGLLALPLPGA.....VGRGPPDAHVAVNLSRYEG 419

Scoring table: BLOSUM62

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Database: Issued Patents AA:\*

1: /cgn2\_6/ptodata/2/1aa/5A COMB.pep:.\*  
2: /cgn2\_6/ptodata/2/1aa/5B COMB.pep:.\*  
3: /cgn2\_6/ptodata/2/1aa/6A COMB.pep:.\*  
4: /cgn2\_6/ptodata/2/1aa/6B COMB.pep:.\*  
5: /cgn2\_6/ptodata/2/1aa/PCTUS COMB.pep:.\*  
6: /cgn2\_6/ptodata/2/1aa/backfiles1.pep:.\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2287	100.0	419	US-09-630-155-2	Sequence 2, Appl1
2	1878	82.1	782	US-09-146-283-4	Sequence 4, Appl1
3	1878	82.1	782	US-08-579-823A-4	Sequence 4, Appl1
4	1878	82.1	782	US-09-344-195-4	Sequence 4, Appl1
5	1878	82.1	1255	US-08-467-083-68	Sequence 68, Appl1
6	1878	82.1	1255	US-08-414-417B-68	Sequence 68, Appl1
7	1878	82.1	1255	US-08-484-438-8	Sequence 8, Appl1
8	1878	82.1	1255	US-08-486-348A-68	Sequence 68, Appl1
9	1878	82.1	1255	US-08-625-101-2	Sequence 2, Appl1
10	1878	82.1	1255	US-08-625-101-2	Sequence 68, Appl1
11	1878	82.1	1255	US-08-468-545B-68	Sequence 68, Appl1
12	1878	82.1	1255	US-08-356-786-2	Sequence 2, Appl1
13	1878	82.1	1255	US-08-466-680B-68	Sequence 68, Appl1
14	1878	82.1	1255	US-09-527-487-2	Sequence 2, Appl1
15	1878	82.1	1255	US-09-811-115-3	Sequence 2, Appl1
16	1878	82.1	1255	US-09-354-533-68	Sequence 68, Appl1
17	1769	77.4	624	US-08-422-108-1	Sequence 1, Appl1
18	1769	77.4	624	US-08-422-734-1	Sequence 1, Appl1
19	860	37.6	166	US-09-648-067A-1	Sequence 1, Appl1
20	793	34.7	644	US-08-316-708A-9	Sequence 9, Appl1
21	793	34.7	1210	US-08-484-438-7	Sequence 7, Appl1
22	793	34.7	1210	US-08-475-035-4	Sequence 4, Appl1
23	775	33.9	911	US-08-484-438-10	Sequence 10, Appl1
24	775	33.9	1058	US-08-484-438-4	Sequence 4, Appl1
25	775	33.9	1308	US-08-484-438-2	Sequence 2, Appl1
26	773	33.8	478	US-09-570-454-2	Sequence 2, Appl1
27	735.5	32.2	1342	US-07-978-895-4	Sequence 4, Appl1

28	735.5	32.2	1342	2	US-08-484-438-9	Sequence 9, Appl1
29	735.5	32.2	1342	2	US-08-473-119-4	Sequence 4, Appl1
30	735.5	32.2	1342	2	US-08-475-352-4	Sequence 4, Appl1
31	735.5	32.2	1342	2	US-09-170-699-4	Sequence 4, Appl1
32	734	32.1	1343	6	5183884-4	Patent No. 5183884
33	493	21.6	97	1	US-08-421-356-3	Sequence 3, Appl1
34	493	21.6	97	4	US-09-046-783-3	Sequence 3, Appl1
35	418	18.3	79	4	US-09-630-155-1	Sequence 1, Appl1
36	264.5	11.6	1382	2	US-08-737-715-2	Sequence 2, Appl1
37	264.5	11.6	1382	4	US-09-457-040B-7	Sequence 7, Appl1
38	257.5	11.3	516	3	US-08-746-559A-2	Sequence 4, Appl1
39	257.5	11.3	1367	2	US-08-249-687C-2	Sequence 2, Appl1
40	257.5	11.3	1367	2	US-08-625-819-2	Sequence 2, Appl1
41	257.5	11.3	1367	3	US-08-746-559A-2	Sequence 2, Appl1
42	257.5	11.3	1367	4	US-08-864-641B-18	Sequence 18, Appl1
43	257.5	11.3	1367	4	US-09-343-551-2	Sequence 2, Appl1
44	241.5	10.6	486	3	US-08-746-559A-5	Sequence 5, Appl1
45	210.5	9.2	383	3	US-08-857-076-105	Sequence 105, App

## ALIGNMENTS

```
RESULT 1
US-09-630-155-2
; Sequence 2, Application US/09630155
; Patent No. 6414130
; GENERAL INFORMATION:
; APPLICANT: Doherty, Joni Kristin and Gail M. Clinton
; TITLE OF INVENTION: HER-2 BINDING ANTAGONISTS
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESSES:
; ADDRESSER: DAVIS WRIGHT TREMAINE LLP
; STREET: 1501 Fourth Avenue, 2600 Century Square
; CITY: Seattle
; STATE: Washington
; COUNTRY: U.S.A.
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: PC compatible
; OPERATING SYSTEM: Windows95
; SOFTWARE: Word
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/630,155
; FILING DATE: 16-Jan-2001
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Davison, Barry E.
; REGISTRATION NUMBER: 47,309
; REFERENCE/DOCKET NUMBER: 49321-10
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 206 628-7621
; TELEFAX: 206 628-7659
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 419
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: polypeptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-630-155-2

Query Match      100.0%; Score 2287; DB 4; Length 419;
Best Local Similarity 100.0%; Pred. No. 3.2e-192;
Matches 419; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 METALCRWGLLALPLPGAASTVCTGDMKRLPASPEHLDMLRHLYOCGVQAGL 60
DB 1 METALCRWGLLALPLPGAASTVCTGDMKRLPASPEHLDMLRHLYOCGVQAGL 60
QY 61 ELTYLPTNLSLFIDIOEVGVYLIANQVROVFLQRLIVRGTLQFEDNYALAVLNG 120
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Db      61  ELTYLPNTASISFLODIOEVGYVLIANQVQVPLQRLIRVGTOLFEDNYALAVLDNG 120
Qy      121  DPLNNTPTVPGASPGGRLRLSLTEILKGGVLIQRPOLCYODTILMKDIFHKNQOLA 180
Db      121  DPLNNTPTVPGASPGGRLRLSLTEILKGGVLIQRPOLCYODTILMKDIFHKNQOLA 180
Qy      181  LTLIDNRSRACRPGSPMCKGRCWGBSSSDCOSLTRVCAGGACARCKGFLPTDCHEQC 240
Db      181  LTLIDNRSRACRPGSPMCKGRCWGBSSSDCOSLTRVCAGGACARCKGFLPTDCHEQC 240
Qy      241  AAGCTGPKHSDCLACIHFHNSGICELHCPALVTYNTDTEFSMNPBGRYTFGASCCTACP 300
Db      241  AAGCTGPKHSDCLACIHFHNSGICELHCPALVTYNTDTEFSMNPBGRYTFGASCCTACP 300
Qy      301  YNYLSTDVGSCTLVCPPLHNOEVTADGTQRCCKSKPCARCTHSLPPPAVPPVPLMOP 360
Db      301  YNYLSTDVGSCTLVCPPLHNOEVTADGTQRCCKSKPCARCTHSLPPPAVPPVPLMOP 360
Qy      361  GPAHVSFLRPSMDLVSAFYSLPLAPISPTSPVSGRGDPDAHVANLSRYEG 419
Db      361  GPAHVSFLRPSMDLVSAFYSLPLAPISPTSPVSGRGDPDAHVANLSRYEG 419

```

## RESULT 2

```

US-09-146-283-4
; Sequence 4, Application US/09146283
; Patent No. 5976546

```

```

; GENERAL INFORMATION:
; APPLICANT: Laus, Reiner
; APPLICANT: Ruegg, Curtis L.
; APPLICANT: Wu, Hongyu
; TITLE OF INVENTION: Immunostimulatory Compositions
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dehlinger & Associates
; STREET: 350 Cambridge Ave. Suite 250
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94306
; COMPUTER READABLE FORM:
; MEDIUM TYPE: floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/146,283
; FILING DATE: 03-SEPT-1998
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Judge, Linda R.
; REGISTRATION NUMBER: 42,702
; REFERENCE/DOCKET NUMBER: 7636-0010.21
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-324-0880
; TELEFAX: 650-324-0960
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 782 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHEICAL: NO
; ORIGINAL SOURCE:
; ORGANISM: homo sapiens
; INDIVIDUAL ISOLATE: GM-CSF-Her-2 fusion protein; Fig. 8
; US-09-146-283-4

```

```

Query Match      82.1%; Score 1878; DB 2; Length 782;
Best Local Similarity 83.0%; Pred. No. 4,9e-156;
Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

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Qy      1  MEIALCRWMLLALLPRGAASVQCTGDMKRLASPBETHLMDLRHLVQGGVQGNL 60
Db      1  MEIALCRWMLLALLPRGAASVQCTGDMKRLASPBETHLMDLRHLVQGGVQGNL 60
Qy      61  ELTYLPNTASISFLODIOEVGYVLIANQVQVPLQRLIRVGTOLFEDNYALAVLDNG 120
Db      61  ELTYLPNTASISFLODIOEVGYVLIANQVQVPLQRLIRVGTOLFEDNYALAVLDNG 120
Qy      121  DPLNNTPTVPGASPGGRLRLSLTEILKGGVLIQRPOLCYODTILMKDIFHKNQOLA 180
Db      121  DPLNNTPTVPGASPGGRLRLSLTEILKGGVLIQRPOLCYODTILMKDIFHKNQOLA 180
Qy      181  LTLIDNRSRACRPGSPMCKGRCWGBSSSDCOSLTRVCAGGACARCKGFLPTDCHEQC 240
Db      181  LTLIDNRSRACRPGSPMCKGRCWGBSSSDCOSLTRVCAGGACARCKGFLPTDCHEQC 240
Qy      241  AAGCTGPKHSDCLACIHFHNSGICELHCPALVTYNTDTEFSMNPBGRYTFGASCCTACP 300
Db      241  AAGCTGPKHSDCLACIHFHNSGICELHCPALVTYNTDTEFSMNPBGRYTFGASCCTACP 300
Qy      301  YNYLSTDVGSCTLVCPPLHNOEVTADGTQRCCKSKPCARCTHSLPPPAVPPVPLMOP 360
Db      301  YNYLSTDVGSCTLVCPPLHNOEVTADGTQRCCKSKPCARCTHSLPPPAVPPVPLMOP 360
Qy      361  LRMQPG--PAHVSFLRPSMDLVSAFYSLPLAPISPTSPV-----SPVSGRGDP 405
Db      361  LRMQPG--PAHVSFLRPSMDLVSAFYSLPLAPISPTSPV-----SPVSGRGDP 405
Qy      406  --PDHVAVNLSTRYEG 419
Db      406  --PDHVAVNLSTRYEG 419
Qy      418  SLPLSVFQNLQVIRG 433
Db      418  SLPLSVFQNLQVIRG 433

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## RESULT 3

```

US-08-579-823A-4
; Sequence 4, Application US/08579823A
; Patent No. 6080409

```

```

; GENERAL INFORMATION:
; APPLICANT: Laus, Reiner
; APPLICANT: Ruegg, Curtis L.
; APPLICANT: Wu, Hongyu
; TITLE OF INVENTION: Immunostimulatory Composition and Method
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dehlinger & Associates
; STREET: 350 Cambridge Ave. Suite 250
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94306
; COMPUTER READABLE FORM:
; MEDIUM TYPE: floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/579,823A
; FILING DATE: 03-DEC-1998
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Judge, Linda R.
; REGISTRATION NUMBER: 42,702
; REFERENCE/DOCKET NUMBER: 7636-0010
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-324-0880
; TELEFAX: 650-324-0960
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 782 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHEICAL: NO

```

ORIGINAL SOURCE:  
ORGANISM: homo sapiens  
INDIVIDUAL ISOLATE: GM-CSF-Her-2 fusion protein; Fig. 8  
US-08-579-823A-4

Query Match 82.1%; Score 1878; DB 3; Length 782;  
Best Local Similarity 83.0%; Pred. No. 4.9e-156;  
Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MELALCRWGLLALLPPGAASVCTGTDMKRLPASPETHLDMLRHLYQGCQVVGNTL 60  
DB 1 MELALCRWGLLALLPPGAASVCTGTDMKRLPASPETHLDMLRHLYQGCQVVGNTL 60  
QY 61 ELTYLPFNASLSPLODIQEVQGVYLAHNOVROVPLORLIYVGTOLPFDNYALAVLDNG 120  
DB 61 ELTYLPFNASLSPLODIQEVQGVYLAHNOVROVPLORLIYVGTOLPFDNYALAVLDNG 120  
QY 121 DPLNNTPTVPGASPGGLRELQRLSLTEILKGVLIQRNPOLCYQDTILMKDIFHKNNOLA 180  
DB 121 DPLNNTPTVPGASPGGLRELQRLSLTEILKGVLIQRNPOLCYQDTILMKDIFHKNNOLA 180  
QY 181 LTLIDNRSRACHPCSPCKGRCWGESSEDCQSLRTVCAAGCARCKGPLPTDCCHQC 240  
DB 181 LTLIDNRSRACHPCSPCKGRCWGESSEDCQSLRTVCAAGCARCKGPLPTDCCHQC 240  
QY 241 AAGCTGPKHSDCLACHFNHSGICELHCPALVTYNTDTPESMPNREGRYTFGASCTYACP 300  
DB 241 AAGCTGPKHSDCLACHFNHSGICELHCPALVTYNTDTPESMPNREGRYTFGASCTYACP 300  
QY 301 YNYLSTDVGSCTVCPHNOEVTAEEDGTQRCCKSKPCAR-----GTHSLPRAVAVP 355  
DB 301 YNYLSTDVGSCTVCPHNOEVTAEEDGTQRCCKSKPCARCYGLMEHLREVAATVSAN 360  
QY 356 LRMQPG--PAHPVLSFLRPSMDIVSAFYSLPLAPLSTSVPI-----SPVSGRGPD 405  
DB 356 LRMQPG--PAHPVLSFLRPSMDIVSAFYSLPLAPLSTSVPI-----SPVSGRGPD 405  
QY 406 --PDAAVAVNLSRYEG 419  
DB 418 SLFDLSVFQNLQVLRG 433

RESULT 4  
US-09-344-195-4  
Sequence 4, Application US/09344195  
Patent No. 6210662  
GENERAL INFORMATION:  
APPLICANT: laus, Reiner  
Ruegg, Curtis L.  
WU, Hongyu  
TITLE OF INVENTION: Immunostimulatory Compositions  
NUMBER OF SEQUENCES: 10  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Dehlinger & Associates  
STREET: 350 Cambridge Ave. Suite 250  
CITY: Palo Alto  
STATE: CA  
COUNTRY: USA  
ZIP: 94306  
COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/344,195  
FILING DATE: 24-Jun-1999  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/09/146,283  
FILING DATE: 03-SEPT-1998  
ATTORNEY/AGENT INFORMATION:  
NAME: Judge, Linda R.

REGISTRATION NUMBER: 42,702  
REFERENCE/DOCKET NUMBER: 7636-0010.21  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 650-324-0880  
TELEFAX: 650-324-0960  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 782 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
HYPOTHETICAL: NO  
ORIGINAL SOURCE:  
ORGANISM: homo sapiens  
INDIVIDUAL ISOLATE: GM-CSF-Her-2 fusion protein; Fig. 8  
SEQUENCE DESCRIPTION: SEQ ID NO: 4:  
US-09-344-195-4

Query Match 82.1%; Score 1878; DB 3; Length 782;  
Best Local Similarity 83.0%; Pred. No. 4.9e-156;  
Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MELALCRWGLLALLPPGAASVCTGTDMKRLPASPETHLDMLRHLYQGCQVVGNTL 60  
DB 1 MELALCRWGLLALLPPGAASVCTGTDMKRLPASPETHLDMLRHLYQGCQVVGNTL 60  
QY 61 ELTYLPFNASLSPLODIQEVQGVYLAHNOVROVPLORLIYVGTOLPFDNYALAVLDNG 120  
DB 61 ELTYLPFNASLSPLODIQEVQGVYLAHNOVROVPLORLIYVGTOLPFDNYALAVLDNG 120  
QY 121 DPLNNTPTVPGASPGGLRELQRLSLTEILKGVLIQRNPOLCYQDTILMKDIFHKNNOLA 180  
DB 121 DPLNNTPTVPGASPGGLRELQRLSLTEILKGVLIQRNPOLCYQDTILMKDIFHKNNOLA 180  
QY 181 LTLIDNRSRACHPCSPCKGRCWGESSEDCQSLRTVCAAGCARCKGPLPTDCCHQC 240  
DB 181 LTLIDNRSRACHPCSPCKGRCWGESSEDCQSLRTVCAAGCARCKGPLPTDCCHQC 240  
QY 241 AAGCTGPKHSDCLACHFNHSGICELHCPALVTYNTDTPESMPNREGRYTFGASCTYACP 300  
DB 241 AAGCTGPKHSDCLACHFNHSGICELHCPALVTYNTDTPESMPNREGRYTFGASCTYACP 300  
QY 301 YNYLSTDVGSCTVCPHNOEVTAEEDGTQRCCKSKPCAR-----GTHSLPRAVAVP 355  
DB 301 YNYLSTDVGSCTVCPHNOEVTAEEDGTQRCCKSKPCARCYGLMEHLREVAATVSAN 360  
QY 356 LRMQPG--PAHPVLSFLRPSMDIVSAFYSLPLAPLSTSVPI-----SPVSGRGPD 405  
DB 356 LRMQPG--PAHPVLSFLRPSMDIVSAFYSLPLAPLSTSVPI-----SPVSGRGPD 405  
QY 406 --PDAAVAVNLSRYEG 419  
DB 418 SLFDLSVFQNLQVLRG 433

RESULT 5  
US-08-467-083-68  
Sequence 68, Application US/08467083  
Patent No. 5726023  
GENERAL INFORMATION:  
APPLICANT: Cheever, Martin A.  
APPLICANT: Diehl, Mary L.  
TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/NEU PROTEIN  
TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE  
TITLE OF INVENTION: HER-2/NEU ONCOGENE IS ASSOCIATED  
NUMBER OF SEQUENCES: 68  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Seed and Berry  
STREET: 6300 Columbia Center, 701 Fifth Avenue  
CITY: Seattle  
STATE: Washington  
COUNTRY: US  
ZIP: 98104-7092

## COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/467,083  
 FILING DATE: 06-JUN-1995  
 CLASSIFICATION: 424  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/414,417  
 FILING DATE: 06-JUN-1995  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Sharkey, Richard G.  
 REGISTRATION NUMBER: 32,629  
 REFERENCE/DOCKET NUMBER: 920010.448C2  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (206) 622-4900  
 TELEFAX: (206) 682-6031  
 TELEX: 3723836 SEDANBERY  
 INFORMATION FOR SEQ ID NO: 68:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1255 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 US-08-467-083-68

Query Match 82.1%; Score 1878; DB 1; Length 1255;  
 Best Local Similarity 83.0%; Pred. No. 9.1e-156;  
 Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MELAALCRWGLLALLPFGAASVQCTGDMKRLPASPEHMLHLYOGCCVQVQNL 60  
 DB 1 MELAALCRWGLLALLPFGAASVQCTGDMKRLPASPEHMLHLYOGCCVQVQNL 60  
 QY 61 ELYLPTNASLSFLQDIOVQGYVLIANOVROVPLQRLIVRGTOLEFEDNYALAVDNG 120  
 DB 61 ELYLPTNASLSFLQDIOVQGYVLIANOVROVPLQRLIVRGTOLEFEDNYALAVDNG 120  
 QY 121 DPLNNTTPVTGASPGGLREQLRSLEILKGVLIQENPOLCYODTILMKDIFHKNNOLA 180  
 DB 121 DPLNNTTPVTGASPGGLREQLRSLEILKGVLIQENPOLCYODTILMKDIFHKNNOLA 180  
 QY 181 LTLIDTNRSRACHPCSPCKGSRGWGSSSDCCSLTRTVCAAGCARCKGPLEPTDCCHQC 240  
 DB 181 LTLIDTNRSRACHPCSPCKGSRGWGSSSDCCSLTRTVCAAGCARCKGPLEPTDCCHQC 240  
 QY 241 AAGCTGPRKSDCLACLFHNSGICELHCPALVTYNTDTFESMPNBRGYTFGASCVTACP 300  
 DB 241 AAGCTGPRKSDCLACLFHNSGICELHCPALVTYNTDTFESMPNBRGYTFGASCVTACP 300  
 QY 301 YNYLSTVGSCTLVCPLEHNOEVTABDGTQRCCKSKPCARVYGVGMHLREVRAVTSAN 360  
 DB 301 YNYLSTVGSCTLVCPLEHNOEVTABDGTQRCCKSKPCARVYGVGMHLREVRAVTSAN 360  
 QY 361 LRMQPG--PAHPVLSTLRPSMDLVSAFYSLPLAPLSFTSVPI-----SPVSVGRGPD 405  
 DB 361 LRMQPG--PAHPVLSTLRPSMDLVSAFYSLPLAPLSFTSVPI-----SPVSVGRGPD 405  
 QY 406 --PDAAVAVNLRYEG 419  
 DB 406 --PDAAVAVNLRYEG 419  
 QY 418 SLPLDSVFQNLQVIRG 433  
 DB 418 SLPLDSVFQNLQVIRG 433

RESULT 6  
 US-08-414-417B-68  
 ; Sequence 68, Application US/08414417B  
 ; Patent No. 5801005  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Cheever, Martin A.  
 ; APPLICANT: Disis, Mary L.  
 ; TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN  
 ; TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE

## TITLE OF INVENTION: HER-2/neu ONCOGENE IS ASSOCIATED

NUMBER OF SEQUENCES: 69  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Seed and Berry LLP  
 STREET: 6300 Columbia Center, 701 Fifth Avenue  
 CITY: Seattle  
 STATE: Washington  
 COUNTRY: US  
 ZIP: 98104-7092  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/414,417B  
 FILING DATE: 31-MAR-1995  
 CLASSIFICATION: 424  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Sharkey, Richard G.  
 REGISTRATION NUMBER: 32,629  
 REFERENCE/DOCKET NUMBER: 920010.448C2  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (206) 622-4900  
 TELEFAX: (206) 682-6031  
 INFORMATION FOR SEQ ID NO: 68:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1255 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 US-08-414-417B-68

Query Match 82.1%; Score 1878; DB 1; Length 1255;  
 Best Local Similarity 83.0%; Pred. No. 9.1e-156;  
 Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MELAALCRWGLLALLPFGAASVQCTGDMKRLPASPEHMLHLYOGCCVQVQNL 60  
 DB 1 MELAALCRWGLLALLPFGAASVQCTGDMKRLPASPEHMLHLYOGCCVQVQNL 60  
 QY 61 ELYLPTNASLSFLQDIOVQGYVLIANOVROVPLQRLIVRGTOLEFEDNYALAVDNG 120  
 DB 61 ELYLPTNASLSFLQDIOVQGYVLIANOVROVPLQRLIVRGTOLEFEDNYALAVDNG 120  
 QY 121 DPLNNTTPVTGASPGGLREQLRSLEILKGVLIQENPOLCYODTILMKDIFHKNNOLA 180  
 DB 121 DPLNNTTPVTGASPGGLREQLRSLEILKGVLIQENPOLCYODTILMKDIFHKNNOLA 180  
 QY 181 LTLIDTNRSRACHPCSPCKGSRGWGSSSDCCSLTRTVCAAGCARCKGPLEPTDCCHQC 240  
 DB 181 LTLIDTNRSRACHPCSPCKGSRGWGSSSDCCSLTRTVCAAGCARCKGPLEPTDCCHQC 240  
 QY 241 AAGCTGPRKSDCLACLFHNSGICELHCPALVTYNTDTFESMPNBRGYTFGASCVTACP 300  
 DB 241 AAGCTGPRKSDCLACLFHNSGICELHCPALVTYNTDTFESMPNBRGYTFGASCVTACP 300  
 QY 301 YNYLSTVGSCTLVCPLEHNOEVTABDGTQRCCKSKPCARVYGVGMHLREVRAVTSAN 360  
 DB 301 YNYLSTVGSCTLVCPLEHNOEVTABDGTQRCCKSKPCARVYGVGMHLREVRAVTSAN 360  
 QY 361 LRMQPG--PAHPVLSTLRPSMDLVSAFYSLPLAPLSFTSVPI-----SPVSVGRGPD 405  
 DB 361 LRMQPG--PAHPVLSTLRPSMDLVSAFYSLPLAPLSFTSVPI-----SPVSVGRGPD 405  
 QY 406 --PDAAVAVNLRYEG 419  
 DB 406 --PDAAVAVNLRYEG 419  
 QY 418 SLPLDSVFQNLQVIRG 433  
 DB 418 SLPLDSVFQNLQVIRG 433

RESULT 7  
 US-08-484-438-8  
 ; Sequence 8, Application US/08484438  
 ; Patent No. 5811098



Patent No. 5811098 5780031  
GENERAL INFORMATION:  
APPLICANT: Ploemmar, Gregory D.  
APPLICANT: Culouscou, Jean-Michel  
APPLICANT: Shoyab, Mohammed  
APPLICANT: Siegall, Clay B.  
APPLICANT: Heilstr m, Ingegerd  
APPLICANT: Heilstr m, Karl B.  
TITLE OF INVENTION: HER4 HUMAN RECEPTOR TYROSINE KINASE  
NUMBER OF SEQUENCES: 42  
CORRESPONDENCE ADDRESS:  
ADDRESS: Pennie & Edmonds  
STREET: 1155 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: U.S.A.  
ZIP: 10036-2711  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/484,438  
FILING DATE: 07-JUN-1995  
CLASSIFICATION: 530  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/323,442  
FILING DATE: 14-OCT-1994  
APPLICATION NUMBER: US 08/150,704  
FILING DATE: 10-NOV-1993  
CLASSIFICATION: 530  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/981,165  
FILING DATE: 24-NOV-1992  
CLASSIFICATION: 530  
ATTORNEY/AGENT INFORMATION:  
NAME: Mierock, S. Leslie  
REGISTRATION NUMBER: 18,872  
REFERENCE/DOCKET NUMBER: 5624-230  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 790-9090  
TELEFAX: (212) 869-8864/9741  
TELEX: 66141 PENNIE  
INFORMATION FOR SEQ ID NO: 8:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1255 amino acids  
TYPE: amino acid  
STRANDEDNESS: unknown  
TOPOLOGY: unknown  
MOLECULAR TYPE: protein  
US-08-484-438-8

Query Match 82.1%; Score 1878; DB 2; Length 1255;  
Best Local Similarity 83.0%; Pred. No. 9.1e-156;  
Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MELAALCRWGLLALLPPGAASSTVCTGDMKRLRPASPEHLDMLRHLYGSCQVQGNL 60  
DB 1 MELAALCRWGLLALLPPGAASSTVCTGDMKRLRPASPEHLDMLRHLYGSCQVQGNL 60  
QY 61 ELTYLPTNASLSFLQDIOEVQGYVLIANOVQVPLQRLRIYRGTOLEFEDNALAVLDNG 120  
DB 61 ELTYLPTNASLSFLQDIOEVQGYVLIANOVQVPLQRLRIYRGTOLEFEDNALAVLDNG 120  
QY 121 DPLNNTPTVTGASPGGLRELQRLSLTEILKGVLIQNRNOLCYODTILMKDIFHRKNOLA 180  
DB 121 DPLNNTPTVTGASPGGLRELQRLSLTEILKGVLIQNRNOLCYODTILMKDIFHRKNOLA 180  
QY 181 LTLIDTRSRACHPCSPMCKGSRGMSSEDCOSTRTVCAGGACRCKGFLPTDCGHEQC 240  
DB 181 LTLIDTRSRACHPCSPMCKGSRGMSSEDCOSTRTVCAGGACRCKGFLPTDCGHEQC 240

QY 241 AACCTGPKSDCIACIAHFHNSGICELHCPALVYNTDTESMNPBGRYTFGASCTYACP 300  
DB 241 AACCTGPKSDCIACIAHFHNSGICELHCPALVYNTDTESMNPBGRYTFGASCTYACP 300  
QY 301 YNTLSTDVGSCTLVCPLEHNOBTABDGTQRCCKSPCAR-----GTHSLPPRAVPVP 355  
DB 301 YNTLSTDVGSCTLVCPLEHNOBTABDGTQRCCKSPCARVCCYGLMEHLREVAATSAN 360  
QY 356 LKMQPG--PAHPLSTFLRPSWDIVSAFSGILPLASPTSVPI-----SPVSGRGPD 405  
DB 361 IQEFACCKIKFGLALFPESFDSPASNT---APLPQQLQVETLBITGYIYICAMPD 417  
QY 406 --PDAAVAVNLSTRYEG 419  
DB 418 SLPLSVFQNLQVIRG 433

RESULT 8  
US-08-486-348A-68  
Sequence 68, Application US/08486348A  
Patent No. 5846538  
GENERAL INFORMATION:  
APPLICANT: Cheever, Martin A.  
TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN  
TITLE OF INVENTION: FOR DIAGNOSTICS AND TREATMENT OF MALIGNANCIES IN WHICH THE  
NUMBER OF SEQUENCES: 69  
CORRESPONDENCE ADDRESS:  
ADDRESSES: Seed and Berry LLP  
STREET: 6300 Columbia Center, 701 Fifth Avenue  
CITY: Seattle  
STATE: Washington  
COUNTRY: US  
ZIP: 98104-7092  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/486,348A  
FILING DATE: 07-JUN-1995  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: Sharkey, Richard G.  
REGISTRATION NUMBER: 32,629  
REFERENCE/DOCKET NUMBER: 920010.448C6  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206) 622-4900  
TELEFAX: (206) 682-6031  
INFORMATION FOR SEQ ID NO: 68:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1255 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
US-08-486-348A-68

Query Match 82.1%; Score 1878; DB 2; Length 1255;  
Best Local Similarity 83.0%; Pred. No. 9.1e-156;  
Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MELAALCRWGLLALLPPGAASSTVCTGDMKRLRPASPEHLDMLRHLYGSCQVQGNL 60  
DB 1 MELAALCRWGLLALLPPGAASSTVCTGDMKRLRPASPEHLDMLRHLYGSCQVQGNL 60  
QY 61 ELTYLPTNASLSFLQDIOEVQGYVLIANOVQVPLQRLRIYRGTOLEFEDNALAVLDNG 120  
DB 61 ELTYLPTNASLSFLQDIOEVQGYVLIANOVQVPLQRLRIYRGTOLEFEDNALAVLDNG 120  
QY 121 DPLNNTPTVTGASPGGLRELQRLSLTEILKGVLIQNRNOLCYODTILMKDIFHRKNOLA 180  
DB 121 DPLNNTPTVTGASPGGLRELQRLSLTEILKGVLIQNRNOLCYODTILMKDIFHRKNOLA 180

QY 181 LTLIDTNSRACHPSPCKSGRCWGSSEDCOSLTRVACAGCARCKGPLEPTDCHEQC 240  
 DB 181 LTLIDTNSRACHPSPCKSGRCWGSSEDCOSLTRVACAGCARCKGPLEPTDCHEQC 240  
 QY 241 AAGCGPKHSDCLACLFHNSGICELHCPALVTYNTDTPESMPNDEGRYTFGASCVTACP 300  
 DB 241 AAGCGPKHSDCLACLFHNSGICELHCPALVTYNTDTPESMPNDEGRYTFGASCVTACP 300  
 QY 301 YNYLSTDVSGCTLVCPPLHNOEVTABDGTORCEKSCPCAR-----GTHSLPRPAAYVP 355  
 DB 301 YNYLSTDVSGCTLVCPPLHNOEVTABDGTORCEKSCPCARCYGLGMEHLAEVRAVTSAN 360  
 QY 356 LEMQGG--PAHPVLSFLRPSMDLVSAFYSLPLAPLSPTSVPI-----SPVSVGRQPD 405  
 DB 361 IOEPAGCKKIFGSLAFLEPESFDGDPASNT---APLOPEQLQVFETLBEITGYLYISAMPD 417  
 QY 406 --PDAAVAVNLSRYEG 419  
 DB 418 SLPLDSVFNQLQVIRG 433

## RESULT 9

US-08-625-101-2  
 ; Sequence 2, Application US/08625101  
 ; Patent No. 5869445  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Cheever, Martin A.  
 ; APPLICANT: Disis, Mary L.  
 ; TITLE OF INVENTION: COMPOUNDS FOR ELICITING OR ENHANCING IMMUNE  
 ; TITLE OF INVENTION: REACTIVITY TO HER-2/neu PROTEIN FOR PREVENTION  
 ; TITLE OF INVENTION: OR TREATMENT OF MALIGNANCIES IN WHICH THE HER-2/neu  
 ; NUMBER OF SEQUENCES: 4  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Seed and Berry LLP  
 ; STREET: 6300 Columbia Center, 701 Fifth Avenue  
 ; CITY: Seattle  
 ; STATE: Washington  
 ; COUNTRY: USA  
 ; ZIP: 98104-7092  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patent in Release #1.0, Version #1.30  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/625,101  
 ; FILING DATE: 01-APR-1996  
 ; CLASSIFICATION: 424  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Sharkey, Richard G.  
 ; REGISTRATION NUMBER: 32,629  
 ; REFERENCE/DOCKET NUMBER: 920010.448C7  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (206) 622-4900  
 ; TELEFAX: (206) 682-6031  
 ; INFORMATION FOR SEQ ID NO: 2:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 1255 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 ; US-08-625-101-2

Query Match 82.1%; Score 1878; DB 2; Length 1255;  
 Best Local Similarity 83.0%; Pred. No. 9,1e-156;  
 Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MEIAALCRMGILLALIPGASATOVCTGTDMKRLPASPEHLDMLRHLYQGCGVQGNL 60  
 DB 1 MEIAALCRMGILLALIPGASATOVCTGTDMKRLPASPEHLDMLRHLYQGCGVQGNL 60

QY 61 ELTYLPTNASLSPLQDIOEVGYVLIANQVROVPLQRLIVRSTQLFEDNYALAVLDNG 120  
 DB 61 ELTYLPTNASLSPLQDIOEVGYVLIANQVROVPLQRLIVRSTQLFEDNYALAVLDNG 120  
 QY 121 DPLNNTPTVTGASPGRLRELIQSLSTELILKGVLIQENPOLCYODTILMKDIFHKNNOLA 180  
 DB 121 DPLNNTPTVTGASPGRLRELIQSLSTELILKGVLIQENPOLCYODTILMKDIFHKNNOLA 180  
 QY 181 LTLIDTNSRACHPSPCKSGRCWGSSEDCOSLTRVACAGCARCKGPLEPTDCHEQC 240  
 DB 181 LTLIDTNSRACHPSPCKSGRCWGSSEDCOSLTRVACAGCARCKGPLEPTDCHEQC 240  
 QY 241 AAGCGPKHSDCLACLFHNSGICELHCPALVTYNTDTPESMPNDEGRYTFGASCVTACP 300  
 DB 241 AAGCGPKHSDCLACLFHNSGICELHCPALVTYNTDTPESMPNDEGRYTFGASCVTACP 300  
 QY 301 YNYLSTDVSGCTLVCPPLHNOEVTABDGTORCEKSCPCAR-----GTHSLPRPAAYVP 355  
 DB 301 YNYLSTDVSGCTLVCPPLHNOEVTABDGTORCEKSCPCARCYGLGMEHLAEVRAVTSAN 360  
 QY 356 LEMQGG--PAHPVLSFLRPSMDLVSAFYSLPLAPLSPTSVPI-----SPVSVGRQPD 405  
 DB 361 IOEPAGCKKIFGSLAFLEPESFDGDPASNT---APLOPEQLQVFETLBEITGYLYISAMPD 417  
 QY 406 --PDAAVAVNLSRYEG 419  
 DB 418 SLPLDSVFNQLQVIRG 433

## RESULT 10

US-08-468-545B-68  
 ; Sequence 68, Application US/08468545B  
 ; Patent No. 5876712  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Cheever, Martin A.  
 ; APPLICANT: Disis, Mary L.  
 ; TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN  
 ; TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE  
 ; NUMBER OF SEQUENCES: 68  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Seed and Berry LLP  
 ; STREET: 6300 Columbia Center, 701 Fifth Avenue  
 ; CITY: Seattle  
 ; STATE: Washington  
 ; COUNTRY: USA  
 ; ZIP: 98104-7092  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patent in Release #1.0, Version #1.25  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/468,545B  
 ; FILING DATE: 06-JUN-1995  
 ; CLASSIFICATION: 424  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Sharkey, Richard G.  
 ; REGISTRATION NUMBER: 32,629  
 ; REFERENCE/DOCKET NUMBER: 920010.448C5  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (206) 622-4900  
 ; TELEFAX: (206) 682-6031  
 ; INFORMATION FOR SEQ ID NO: 68:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 1255 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: linear  
 ; US-08-468-545B-68

Query Match 82.1%; Score 1878; DB 2; Length 1255;  
 Best Local Similarity 83.0%; Pred. No. 9,1e-156;  
 Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

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QY      1 MELAALCRWGLLALLPFGAASDVCTGTMKRLPASPTTHLDMRLHYGGCVVQGNL 60
DB      1 MELAALCRWGLLALLPFGAASDVCTGTMKRLPASPTTHLDMRLHYGGCVVQGNL 60
QY      61 ELTYLPTNASLFLQDIQEVQGYVLIANOVQVPLQRLIRVGTQLFEDNYALAVLDNG 120
DB      61 ELTYLPTNASLFLQDIQEVQGYVLIANOVQVPLQRLIRVGTQLFEDNYALAVLDNG 120
QY      121 DPLNNTPTVPGASPGGLRELQRLSLTEILKGVLIQNNPOLCYQDTILMKDIFHKNNOA 180
DB      121 DPLNNTPTVPGASPGGLRELQRLSLTEILKGVLIQNNPOLCYQDTILMKDIFHKNNOA 180
QY      181 LTLIDTRSRACHPCSPMGKGRGWSSESDCQSLRTVCAGGACAKGKPLPTDCCHEQC 240
DB      181 LTLIDTRSRACHPCSPMGKGRGWSSESDCQSLRTVCAGGACAKGKPLPTDCCHEQC 240
QY      241 AAGCTGPKSDCLACLFHNSGICELHCPALVTYNTDFESMPNPEGRTFGASCTYACP 300
DB      241 AAGCTGPKSDCLACLFHNSGICELHCPALVTYNTDFESMPNPEGRTFGASCTYACP 300
QY      301 YNYLSTVGSCTIVCPFHNOEVTAEDETQRCCKSKPCARVCYGLGMEHLREYRAVTSAN 360
DB      301 YNYLSTVGSCTIVCPFHNOEVTAEDETQRCCKSKPCARVCYGLGMEHLREYRAVTSAN 360
QY      356 LRMQPG--PAHPVLSFRLPSMDLVSAFYSLPLAPLSTSVPI-----SPVSVGRGPD 405
DB      356 LRMQPG--PAHPVLSFRLPSMDLVSAFYSLPLAPLSTSVPI-----SPVSVGRGPD 405
QY      361 IQEFACCKKIFGSLAFPLPSFDGDPASNT---APLQPEQLQVFETLEITGYIYISAMPD 417
DB      361 IQEFACCKKIFGSLAFPLPSFDGDPASNT---APLQPEQLQVFETLEITGYIYISAMPD 417
QY      406 --PDAAVAVNLSRYEG 419
DB      406 --PDAAVAVNLSRYEG 419
QY      418 SLPLDSVFNQLQVIRG 433
DB      418 SLPLDSVFNQLQVIRG 433

RESULT 11
US-08-356-786-2
; Sequence 2, Application US/08356786
; Patent No. 5877305
; GENERAL INFORMATION:
; APPLICANT: Huston, James S.
; APPLICANT: Huston, James S.
; APPLICANT: Oppermann, Hermann
; APPLICANT: Houston, L. L.
; APPLICANT: Ritz, David B.
; TITLE OF INVENTION: Biosynthetic Binding Protein for Cancer
; TITLE OF INVENTION: Marketer
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Edmund R. Pitcher, Testa, Hurwitz, & Thibault
; STREET: Exchange Place, 53 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible

SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/356,786
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/831,967
FILING DATE: 06-FEB-1992
ATTORNEY/AGENT INFORMATION:
NAME: Pitcher, Edmund R.
REGISTRATION NUMBER: 27,829
REFERENCE/DOCKET NUMBER: CRP-053
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 248-7000
TELEFAX: (617) 248-7100
INFORMATION FOR SEQ ID NO: 2:

```

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; SEQUENCE CHARACTERISTICS:
; LENGTH: 1255 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-356-786-2

Query Match      82.1%; Score 1878; DB 2; Length 1255;
Best Local Similarity 83.0%; Pred No. 9; 1e-156;
Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY      1 MELAALCRWGLLALLPFGAASDVCTGTMKRLPASPTTHLDMRLHYGGCVVQGNL 60
DB      1 MELAALCRWGLLALLPFGAASDVCTGTMKRLPASPTTHLDMRLHYGGCVVQGNL 60
QY      61 ELTYLPTNASLFLQDIQEVQGYVLIANOVQVPLQRLIRVGTQLFEDNYALAVLDNG 120
DB      61 ELTYLPTNASLFLQDIQEVQGYVLIANOVQVPLQRLIRVGTQLFEDNYALAVLDNG 120
QY      121 DPLNNTPTVPGASPGGLRELQRLSLTEILKGVLIQNNPOLCYQDTILMKDIFHKNNOA 180
DB      121 DPLNNTPTVPGASPGGLRELQRLSLTEILKGVLIQNNPOLCYQDTILMKDIFHKNNOA 180
QY      181 LTLIDTRSRACHPCSPMGKGRGWSSESDCQSLRTVCAGGACAKGKPLPTDCCHEQC 240
DB      181 LTLIDTRSRACHPCSPMGKGRGWSSESDCQSLRTVCAGGACAKGKPLPTDCCHEQC 240
QY      241 AAGCTGPKSDCLACLFHNSGICELHCPALVTYNTDFESMPNPEGRTFGASCTYACP 300
DB      241 AAGCTGPKSDCLACLFHNSGICELHCPALVTYNTDFESMPNPEGRTFGASCTYACP 300
QY      301 YNYLSTVGSCTIVCPFHNOEVTAEDETQRCCKSKPCARVCYGLGMEHLREYRAVTSAN 360
DB      301 YNYLSTVGSCTIVCPFHNOEVTAEDETQRCCKSKPCARVCYGLGMEHLREYRAVTSAN 360
QY      356 LRMQPG--PAHPVLSFRLPSMDLVSAFYSLPLAPLSTSVPI-----SPVSVGRGPD 405
DB      356 LRMQPG--PAHPVLSFRLPSMDLVSAFYSLPLAPLSTSVPI-----SPVSVGRGPD 405
QY      361 IQEFACCKKIFGSLAFPLPSFDGDPASNT---APLQPEQLQVFETLEITGYIYISAMPD 417
DB      361 IQEFACCKKIFGSLAFPLPSFDGDPASNT---APLQPEQLQVFETLEITGYIYISAMPD 417
QY      406 --PDAAVAVNLSRYEG 419
DB      406 --PDAAVAVNLSRYEG 419
QY      418 SLPLDSVFNQLQVIRG 433
DB      418 SLPLDSVFNQLQVIRG 433

RESULT 12
US-08-466-680B-68
; Sequence 68, Application US/0846680B
; Patent No. 6075122
; GENERAL INFORMATION:
; APPLICANT: Disis, Mary L.
; APPLICANT: Disis, Mary L.
; TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN
; TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE
; TITLE OF INVENTION: HER-2/neu ONCOGENE IS ASSOCIATED
; NUMBER OF SEQUENCES: 69
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seed and Berry LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: US
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/466,680B
FILING DATE: 06-JUN-1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Sharkey, Richard G.

```

REGISTRATION NUMBER: 32,629  
 REFERENCE/DOCKET NUMBER: 920010.448C4  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (206) 622-4900  
 TELEFAX: (206) 682-6031  
 INFORMATION FOR SEQ ID NO: 68:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1255 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 US-08-466-680B-68

Query Match 82.1%; Score 1878; DB 3; Length 1255;  
 Best Local Similarity 83.0%; Pred. No. 9,1e-156;  
 Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MELAALCRWGLLALLPPGAASVCTGTDMLRLPASPTHLMRLHYGCGVVGNTL 60  
 DB 1 MELAALCRWGLLALLPPGAASVCTGTDMLRLPASPTHLMRLHYGCGVVGNTL 60  
 QY 61 ELTYLPTNASTSFLODIOEVGVYLIANQVQVPLQRLIRVGTQLFEDNYALAVLNG 120  
 DB 61 ELTYLPTNASTSFLODIOEVGVYLIANQVQVPLQRLIRVGTQLFEDNYALAVLNG 120  
 QY 121 DPLNNTPTVGTASPGRLREQLRSLEILKGGVLIQNNPOLCYODTILMKDIFHKNOLA 180  
 DB 121 DPLNNTPTVGTASPGRLREQLRSLEILKGGVLIQNNPOLCYODTILMKDIFHKNOLA 180  
 QY 121 DPLNNTPTVGTASPGRLREQLRSLEILKGGVLIQNNPOLCYODTILMKDIFHKNOLA 180  
 DB 121 DPLNNTPTVGTASPGRLREQLRSLEILKGGVLIQNNPOLCYODTILMKDIFHKNOLA 180  
 QY 181 LTLIDNRSRACHPCSPCKGSRCKGSSSEDCOSLTRVCAAGCARCKGPLPTDCCHQC 240  
 DB 181 LTLIDNRSRACHPCSPCKGSRCKGSSSEDCOSLTRVCAAGCARCKGPLPTDCCHQC 240  
 QY 241 AAGCTGPKHSDDLACHFNHSGICELHCPALVYNTDTFESMPNBRGRTTGASCVTACP 300  
 DB 241 AAGCTGPKHSDDLACHFNHSGICELHCPALVYNTDTFESMPNBRGRTTGASCVTACP 300  
 QY 301 YNYLSTDVSGCTLVCPILHNOEVTAEADGTORCKSKPCAR-----GTHSLPRPAVPVP 355  
 DB 301 YNYLSTDVSGCTLVCPILHNOEVTAEADGTORCKSKPCAR-----GTHSLPRPAVPVP 355  
 QY 361 LRMQPG--PAHPVLSFLRPSMDLVSFAFSLPAPLSPTSVPI-----SPVSVGRGPD 405  
 DB 361 LRMQPG--PAHPVLSFLRPSMDLVSFAFSLPAPLSPTSVPI-----SPVSVGRGPD 405  
 QY 406 --PDAAVAVNLSRYEG 419  
 DB 406 --PDAAVAVNLSRYEG 419  
 QY 418 SLPDLSVFQNLQVIRG 433  
 DB 418 SLPDLSVFQNLQVIRG 433

RESULT 13  
 US-09-527-487-2  
 Sequence 2, Application US/09527487  
 Patent No. 6528060  
 GENERAL INFORMATION:  
 APPLICANT: Nicolette, Charles  
 TITLE OF INVENTION: HER2 ANTIGENIC PEPTIDES  
 FILE REFERENCE: 12681309200  
 CURRENT APPLICATION NUMBER: US/09/527,487  
 CURRENT FILING DATE: 2000-03-16  
 NUMBER OF SEQ ID NOS: 9  
 SOFTWARE: PatentIn Ver. 2.1  
 SEQ ID NO 2  
 LENGTH: 1255  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-09-527-487-2

Query Match 82.1%; Score 1878; DB 4; Length 1255;  
 Best Local Similarity 83.0%; Pred. No. 9,1e-156;  
 Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MELAALCRWGLLALLPPGAASVCTGTDMLRLPASPTHLMRLHYGCGVVGNTL 60

DB 1 MELAALCRWGLLALLPPGAASVCTGTDMLRLPASPTHLMRLHYGCGVVGNTL 60  
 QY 61 ELTYLPTNASTSFLODIOEVGVYLIANQVQVPLQRLIRVGTQLFEDNYALAVLNG 120  
 DB 61 ELTYLPTNASTSFLODIOEVGVYLIANQVQVPLQRLIRVGTQLFEDNYALAVLNG 120  
 QY 121 DPLNNTPTVGTASPGRLREQLRSLEILKGGVLIQNNPOLCYODTILMKDIFHKNOLA 180  
 DB 121 DPLNNTPTVGTASPGRLREQLRSLEILKGGVLIQNNPOLCYODTILMKDIFHKNOLA 180  
 QY 121 DPLNNTPTVGTASPGRLREQLRSLEILKGGVLIQNNPOLCYODTILMKDIFHKNOLA 180  
 DB 121 DPLNNTPTVGTASPGRLREQLRSLEILKGGVLIQNNPOLCYODTILMKDIFHKNOLA 180  
 QY 181 LTLIDNRSRACHPCSPCKGSRCKGSSSEDCOSLTRVCAAGCARCKGPLPTDCCHQC 240  
 DB 181 LTLIDNRSRACHPCSPCKGSRCKGSSSEDCOSLTRVCAAGCARCKGPLPTDCCHQC 240  
 QY 241 AAGCTGPKHSDDLACHFNHSGICELHCPALVYNTDTFESMPNBRGRTTGASCVTACP 300  
 DB 241 AAGCTGPKHSDDLACHFNHSGICELHCPALVYNTDTFESMPNBRGRTTGASCVTACP 300  
 QY 301 YNYLSTDVSGCTLVCPILHNOEVTAEADGTORCKSKPCAR-----GTHSLPRPAVPVP 355  
 DB 301 YNYLSTDVSGCTLVCPILHNOEVTAEADGTORCKSKPCAR-----GTHSLPRPAVPVP 355  
 QY 361 LRMQPG--PAHPVLSFLRPSMDLVSFAFSLPAPLSPTSVPI-----SPVSVGRGPD 405  
 DB 361 LRMQPG--PAHPVLSFLRPSMDLVSFAFSLPAPLSPTSVPI-----SPVSVGRGPD 405  
 QY 406 --PDAAVAVNLSRYEG 419  
 DB 406 --PDAAVAVNLSRYEG 419  
 QY 418 SLPDLSVFQNLQVIRG 433  
 DB 418 SLPDLSVFQNLQVIRG 433

RESULT 14  
 US-09-811-115-3  
 Sequence 3, Application US/0981115  
 Patent No. 6632979  
 GENERAL INFORMATION:  
 APPLICANT: Erickson, Sharon  
 APPLICANT: Schwall, Ralph  
 APPLICANT: King, Kathleen  
 TITLE OF INVENTION: HER-2 TRANSGENIC NON-HUMAN TUMOR MODEL  
 FILE REFERENCE: GENE 034A  
 CURRENT APPLICATION NUMBER: US/09/811,115  
 CURRENT FILING DATE: 2001-03-16  
 PRIOR APPLICATION NUMBER: 60/189,844  
 PRIOR FILING DATE: 2000-03-16  
 NUMBER OF SEQ ID NOS: 4  
 SOFTWARE: FastSeq for Windows Version 4.0  
 SEQ ID NO 3  
 LENGTH: 1255  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-09-811-115-3

Query Match 82.1%; Score 1878; DB 4; Length 1255;  
 Best Local Similarity 83.0%; Pred. No. 9,1e-156;  
 Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MELAALCRWGLLALLPPGAASVCTGTDMLRLPASPTHLMRLHYGCGVVGNTL 60  
 DB 1 MELAALCRWGLLALLPPGAASVCTGTDMLRLPASPTHLMRLHYGCGVVGNTL 60  
 QY 61 ELTYLPTNASTSFLODIOEVGVYLIANQVQVPLQRLIRVGTQLFEDNYALAVLNG 120  
 DB 61 ELTYLPTNASTSFLODIOEVGVYLIANQVQVPLQRLIRVGTQLFEDNYALAVLNG 120  
 QY 121 DPLNNTPTVGTASPGRLREQLRSLEILKGGVLIQNNPOLCYODTILMKDIFHKNOLA 180  
 DB 121 DPLNNTPTVGTASPGRLREQLRSLEILKGGVLIQNNPOLCYODTILMKDIFHKNOLA 180  
 QY 121 DPLNNTPTVGTASPGRLREQLRSLEILKGGVLIQNNPOLCYODTILMKDIFHKNOLA 180  
 DB 121 DPLNNTPTVGTASPGRLREQLRSLEILKGGVLIQNNPOLCYODTILMKDIFHKNOLA 180  
 QY 181 LTLIDNRSRACHPCSPCKGSRCKGSSSEDCOSLTRVCAAGCARCKGPLPTDCCHQC 240  
 DB 181 LTLIDNRSRACHPCSPCKGSRCKGSSSEDCOSLTRVCAAGCARCKGPLPTDCCHQC 240

Fri Jun 4 11:10:13 2004

us-09-234-208b-2.ra1

Page 9

QY 241 AAGCTGPKHSDCLACIHFHNSGICELHCPALVYTYNTDFFESMPNPEGRTFGASCVTACP 300  
DB 241 AAGCTGPKHSDCLACIHFHNSGICELHCPALVYTYNTDFFESMPNPEGRTFGASCVTACP 300  
QY 301 VYVLTSDVGSCTLVCPFLHNOEVTAEADGTORCEKCSKPCAR-----GTHSLRPPAAVPVP 355  
DB 301 VYVLTSDVGSCTLVCPFLHNOEVTAEADGTORCEKCSKPCARVCGYGLAMHLREVRATSN 360  
QY 356 LEMQPG--PAHPVLSFLRPSMDVSAFYSLPLAPLSPTSVPI-----SPVSYGRGPD 405  
DB 361 IQEPAGCKKIFGSLFPLPSFDGDPASNT---APLQPEOLOVFEETLEITGYLTISAMPD 417  
QY 406 --PDAHVAVNLSRYEG 419  
DB 418 SLFPLSVFQNLQVIRG 433

RESULT 15

US-09-354-533-68  
Sequence 68, Application US/09354533  
Patent No. 666370  
GENERAL INFORMATION:  
APPLICANT: Cheever, Martin A.  
Disis, Mary L.  
TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN  
FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE  
HER-2/neu ONCOGENE IS ASSOCIATED  
NUMBER OF SEQUENCES: 69  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Seed and Berry LLP  
STREET: 6300 Columbia Center, 701 Fifth Avenue  
CITY: Seattle  
STATE: Washington  
COUNTRY: US  
ZIP: 98104-7092  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/354,533  
FILING DATE: 15-Jul-1999  
CLASSIFICATION: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Sharkey, Richard G.  
REGISTRATION NUMBER: 32,629  
REFERENCE/DOCKET NUMBER: 920010.448C9  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206) 622-4900  
TELEFAX: (206) 682-6031  
INFORMATION FOR SEQ ID NO: 68:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1255 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 68:  
US-09-354-533-68

Query Match 82.1%; Score 1878; DB 4; Length 1255;  
Best Local Similarity 83.0%; Pred. No. 9, 1e-156;  
Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MELAALCRWGLIALLPFGAASSTOVCTGIDMKLRPLPASPEITHLDMLEHLYOGCCVYQGNL 60  
DB 1 MELAALCRWGLIALLPFGAASSTOVCTGIDMKLRPLPASPEITHLDMLEHLYOGCCVYQGNL 60  
QY 61 ELTYLPNASTLSLODIOEVOGYVLLAHNOVROVPLORLRIYRGTOLEFEDNYALAVLDNG 120  
DB 61 ELTYLPNASTLSLODIOEVOGYVLLAHNOVROVPLORLRIYRGTOLEFEDNYALAVLDNG 120  
QY 121 DPLNNTTPTVGASPGGLRELOLRSLTEILKGVLIQNPOLCYODTILMKDIFHKNNOLA 180

DB 121 DPLNNTTPTVGASPGGLRELOLRSLTEILKGVLIQNPOLCYODTILMKDIFHKNNOLA 180  
QY 181 LTLIDTNRSRACHPCSPMCKGSRGWGSSSEDCOSLTRVCAAGGCARCGPLPTDCCHQC 240  
DB 181 LTLIDTNRSRACHPCSPMCKGSRGWGSSSEDCOSLTRVCAAGGCARCGPLPTDCCHQC 240  
QY 241 AAGCTGPKHSDCLACIHFHNSGICELHCPALVYTYNTDFFESMPNPEGRTFGASCVTACP 300  
DB 241 AAGCTGPKHSDCLACIHFHNSGICELHCPALVYTYNTDFFESMPNPEGRTFGASCVTACP 300  
QY 301 VYVLTSDVGSCTLVCPFLHNOEVTAEADGTORCEKCSKPCAR-----GTHSLRPPAAVPVP 355  
DB 301 VYVLTSDVGSCTLVCPFLHNOEVTAEADGTORCEKCSKPCARVCGYGLAMHLREVRATSN 360  
QY 356 LEMQPG--PAHPVLSFLRPSMDVSAFYSLPLAPLSPTSVPI-----SPVSYGRGPD 405  
DB 361 IQEPAGCKKIFGSLFPLPSFDGDPASNT---APLQPEOLOVFEETLEITGYLTISAMPD 417  
QY 406 --PDAHVAVNLSRYEG 419  
DB 418 SLFPLSVFQNLQVIRG 433

Search completed: June 4, 2004, 10:42:54  
Job time: 29.7651 secs

Fri Jun 4 11:10:10 2004

us-09-234-208b-1.oliszm80.rapb

Page 1

GenCore version 5.1.6  
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CM protein - protein search, using sw model

Run on: June 4, 2004, 10:49:42 ; Search time 41 Seconds  
(without alignments)

542.092 Million cell updates/sec

Title: US-09-234-208B-1

Sequence: 1 GTHSLPRPAVPLRMQF.....VGRGPDPAHVAVNLRYEG 79

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Gapop 60.0 , Gapext 60.0

Searched: 1155919 seqs, 281338677 residues

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Total number of hits satisfying chosen parameters: 427373

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Post-processing: Listing first 45 summaries

Database : Published Applications AA.\*

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18: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	17	21.5	79	US-10-344-470-1	Sequence 1, Appl
2	17	21.5	79	US-10-302-663-1	Sequence 1, Appl
3	7	8.9	44	US-10-424-599-252451	Sequence 252451,
4	7	8.9	49	US-10-424-599-266679	Sequence 266679,
5	7	8.9	57	US-10-424-599-159386	Sequence 159386,
6	7	8.9	61	US-09-864-761-44740	Sequence 44740, A
7	7	8.9	71	US-10-424-599-148831	Sequence 148831,
8	7	7.6	14	US-09-880-748-2555	Sequence 2555, Ap
9	6	7.6	14	US-10-293-418-2555	Sequence 2555, Ap
10	6	7.6	15	US-08-736-019-49	Sequence 49, Appl
11	6	7.6	16	US-10-225-567A-1939	Sequence 1939, Ap
12	6	7.6	19	US-10-653-595-436	Sequence 436, App
13	6	7.6	23	US-09-397-945-435	Sequence 435, App
14	6	7.6	23	US-10-372-876-289	Sequence 289, App
15	6	7.6	25	US-10-372-876-289	Sequence 289, App

16	7.6	25	14	US-10-097-065-289	Sequence 289, App
17	7.6	30	9	US-09-864-761-45510	Sequence 45510, A
18	7.6	30	14	US-10-299-043-11	Sequence 11, Appl
19	7.6	32	14	US-10-231-417-527	Sequence 527, Appl
20	7.6	34	10	US-09-755-109-21	Sequence 21, Appl
21	7.6	38	9	US-09-864-761-41953	Sequence 41953, A
22	7.6	39	11	US-09-833-245-1293	Sequence 1293, Ap
23	7.6	46	12	US-10-424-599-256817	Sequence 256817,
24	7.6	48	12	US-10-424-599-266042	Sequence 266042,
25	7.6	52	11	US-09-864-408A-7658	Sequence 7658, Ap
26	7.6	52	11	US-10-424-599-202381	Sequence 202381,
27	7.6	57	12	US-10-231-417-524	Sequence 524, App
28	7.6	57	14	US-10-424-599-165263	Sequence 165263,
29	7.6	59	12	US-10-283-940-29	Sequence 29, Appl
30	7.6	61	15	US-10-283-940-29	Sequence 4971, Ap
31	7.6	62	10	US-09-764-591-4971	Sequence 283525,
32	7.6	64	12	US-10-424-599-283525	Sequence 271663,
33	7.6	67	12	US-10-424-599-271663	Sequence 226, App
34	7.6	68	9	US-09-764-887-226	Sequence 226, App
35	7.6	68	14	US-10-073-561-225	Sequence 195527,
36	7.6	75	12	US-10-424-599-195527	Sequence 49766, A
37	7.6	75	12	US-10-425-114-4976	Sequence 60041, A
38	7.6	75	12	US-10-425-114-68041	Sequence 272926,
39	7.6	76	12	US-10-424-599-272926	Sequence 35919, A
40	7.6	77	9	US-09-864-761-35919	Sequence 156137,
41	7.6	77	12	US-10-424-599-156132	Sequence 237453,
42	7.6	78	12	US-10-424-599-237453	Sequence 201088,
43	7.6	79	12	US-10-424-599-201088	Sequence 209808,
44	7.6	79	12	US-10-424-599-209808	Sequence 331, App
45	6.3	8	12	US-10-182-252A-331	

#### ALIGNMENTS

RESULT 1  
US-10-344-470-1  
Sequence 1, Application US/10344470  
Publication No. US20040052796A1  
GENERAL INFORMATION:  
APPLICANT: Clontech, Gail M.  
TITLE OF INVENTION: EXPRESSION OF HERPANTIN, AN ALTERNATIVE TO HER-2/NEU PRODUCT, IN  
TITLE OF INVENTION: THAT EXPRESS EITHER P15HER-2 OR THE EGF RECEPTOR INHIBITS RECE  
FILE REFERENCE: 49321-81  
CURRENT APPLICATION NUMBER: US/10/344,470  
CURRENT FILING DATE: 2003-06-09  
PRIOR APPLICATION NUMBER: PCT / US01/25502  
PRIOR FILING DATE: 2001-08-14  
PRIOR APPLICATION NUMBER: US 09/638,834  
PRIOR FILING DATE: 2000-08-14  
NUMBER OF SEQ ID NOS: 10  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 1  
LENGTH: 79  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: MISC FEATURE  
LOCATION: (2)-(2)  
OTHER INFORMATION: Applicants herein disclose Thr and Ser sequence variants at this  
OTHER INFORMATION: position  
FEATURE:  
NAME/KEY: MISC FEATURE  
LOCATION: (5)-(5)  
OTHER INFORMATION: Applicants herein disclose Leu and Pro sequence variants at this  
OTHER INFORMATION: position  
FEATURE:  
NAME/KEY: MISC FEATURE  
LOCATION: (6)-(6)  
OTHER INFORMATION: Applicants herein disclose Pro and Leu sequence variants at this  
OTHER INFORMATION: position  
FEATURE:

NAME/KEY: MISC FEATURE  
LOCATION: (16)..(36)  
OTHER INFORMATION: Applicants herein disclose Leu and Gln sequence variants at this  
FEATURE:  
NAME/KEY: MISC FEATURE  
LOCATION: (18)..(18)  
OTHER INFORMATION: Applicants herein disclose Met and Leu sequence variants at this  
FEATURE:  
NAME/KEY: MISC FEATURE  
LOCATION: (21)..(21)  
OTHER INFORMATION: Applicants herein disclose Gly, Asp, Ala and Val sequence variant  
FEATURE:  
NAME/KEY: MISC FEATURE  
LOCATION: (36)..(36)  
OTHER INFORMATION: Applicants herein disclose Leu and Ile sequence variants at this  
FEATURE:  
NAME/KEY: MISC FEATURE  
LOCATION: (54)..(54)  
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FEATURE:  
NAME/KEY: MISC FEATURE  
LOCATION: (64)..(64)  
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NAME/KEY: MISC FEATURE  
LOCATION: (73)..(73)  
OTHER INFORMATION: Applicants herein disclose Asp and Asn sequence variants at this  
US-10-344-470-1

Query Match 21.5%; Score 17; DB 12; Length 79;  
Best Local Similarity 100.0%; Pred. No. 2.2e-08;  
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 37 VSAPYSLPLAPLSPTSV 53  
DB 37 VSAPYSLPLAPLSPTSV 53

RESULT 2  
US-10-302-663-1

Sequence 1, Application US/10302663  
Publication No. US20040022785A1  
GENERAL INFORMATION:  
APPLICANT: Clinton, Gail M.  
TITLE OF INVENTION: EXPRESSION OF HRSSTATIN, AN ALTERNATIVE HER-2/NEU PRODUCT, IN CELL  
TITLE OF INVENTION: EXPRESS EITHER P185HER-2 OR THE EGF RECEPTOR INHIBITS RECEPTOR A  
FILE REFERENCE: 49321-73  
CURRENT APPLICATION NUMBER: US/10/302,663  
CURRENT FILING DATE: 2002-11-22  
PRIOR APPLICATION NUMBER: US 09/638,834  
PRIOR FILING DATE: 2000-08-14  
NUMBER OF SEQ ID NOS: 10  
SEQ ID NO 1  
LENGTH: 79  
TYPE: PRT  
ORGANISM: Homo Sapiens  
FEATURE:  
NAME/KEY: VARIANT  
LOCATION: 2  
OTHER INFORMATION: Applicants herein disclose Thr and Ser sequence variants at this  
FEATURE:  
NAME/KEY: VARIANT  
LOCATION: 5  
OTHER INFORMATION: Applicants herein disclose Leu and Pro sequence variants at this  
FEATURE:

NAME/KEY: VARIANT  
LOCATION: 6  
OTHER INFORMATION: Applicants herein disclose Pro and Leu sequence variants at this  
FEATURE:  
NAME/KEY: VARIANT  
LOCATION: 16  
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FEATURE:  
NAME/KEY: VARIANT  
LOCATION: 18  
OTHER INFORMATION: Applicants herein disclose Met and Leu sequence variants at this  
FEATURE:  
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LOCATION: 21  
OTHER INFORMATION: Applicants herein disclose Gly, Asp, Ala and Val sequence varia  
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NAME/KEY: VARIANT  
LOCATION: 36  
OTHER INFORMATION: Applicants herein disclose Leu and Ile sequence variants at this  
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NAME/KEY: VARIANT  
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US-10-302-663-1

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Best Local Similarity 100.0%; Pred. No. 2.2e-08;  
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 37 VSAPYSLPLAPLSPTSV 53  
DB 37 VSAPYSLPLAPLSPTSV 53

RESULT 3  
US-10-424-599-252451

Sequence 252451, Application US/10424599  
Publication No. US20040031072A1  
GENERAL INFORMATION:  
APPLICANT: La Rosa Thomas J  
APPLICANT: Kovalic David K  
APPLICANT: Zhou Yihua  
TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with  
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
FILE REFERENCE: 38-21(53223)B  
CURRENT APPLICATION NUMBER: US/10/424,599  
CURRENT FILING DATE: 2003-04-28  
NUMBER OF SEQ ID NOS: 285684  
SEQ ID NO 252451  
LENGTH: 44  
TYPE: PRT  
ORGANISM: Glycine max  
FEATURE:  
NAME/KEY: CLONE ID: PAT\_MRT847\_69992C.1.pep  
US-10-424-599-252451

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OY 50 PTSPVPS 56  
DB 29 PTSPVPS 35

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RESULT 4
US-10-424-599-266679
; Sequence 266679, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 266679
; LENGTH: 49
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_82832C.1.pep
US-10-424-599-266679

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Pred. No. 40;
Matches 7; Conservative 0; Mismatches 0; Gaps 0; Indels 0;

QY 10 AAVPVL 16
DB 17 AAVPVL 23

RESULT 5
US-10-424-599-159386
; Sequence 159386, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 159386
; LENGTH: 57
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_114946C.1.pep
US-10-424-599-159386

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Best Local Similarity 100.0%; Score 7; DB 12; Length 57;
Pred. No. 45;
Matches 7; Conservative 0; Mismatches 0; Gaps 0; Indels 0;

QY 39 AFYSLPL 45
DB 7 AFYSLPL 13

RESULT 6
US-09-864-761-44740
; Sequence 44740, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
```

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; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
; FILE REFERENCE: Aeomica-X-1
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
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; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 44740
; LENGTH: 61
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC016057.3
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.72
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.59
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.53
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.52
; OTHER INFORMATION: SWISSPROT HIT: Q13563, EVALUE 2.00e+00
; OTHER INFORMATION: EST_HUMAN HIT: BF570694.1, EVALUE 4.00e-16
US-09-864-761-44740

Query Match
Best Local Similarity 100.0%; Score 7; DB 9; Length 61;
Pred. No. 48;
Matches 7; Conservative 0; Mismatches 0; Gaps 0; Indels 0;

QY 23 AAVPLSF 29
DB 37 AAVPLSF 43

RESULT 7
US-10-424-599-148831
; Sequence 148831, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
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APPLICANT: La Rosa Thomas J  
 APPLICANT: Kovalic David K  
 APPLICANT: Zhou Yihua  
 APPLICANT: Cao Yongwei  
 TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With  
 TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
 FILE REFERENCE: 38-21(53223)B  
 CURRENT APPLICATION NUMBER: US/10/424,599  
 CURRENT FILING DATE: 2003-04-28  
 NUMBER OF SEQ ID NOS: 285684  
 SEQ ID NO 148831  
 LENGTH: 71  
 TYPE: PRT  
 ORGANISM: Glycine max  
 FEATURE:  
 OTHER INFORMATION: Clone ID: PAT\_MRT3847\_105417C.1.pep  
 US-10-424-599-148831

Query Match 8.9% Score 7; DB 12; Length 71;  
 Best Local Similarity 100.0%; Pred. No. 55;  
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QY 39 AFYSLPL 45  
 Db 3 AFYSLPL 9

RESULT 8  
 US-09-880-748-2555  
 Sequence 2555, Application US/09880748  
 Publication No. US20030059937A1  
 GENERAL INFORMATION:  
 APPLICANT: Ruben et al.  
 TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blygs  
 FILE REFERENCE: PFS23  
 CURRENT APPLICATION NUMBER: US/09/880,748  
 CURRENT FILING DATE: 2001-06-15  
 PRIOR APPLICATION NUMBER: 60/212,210  
 PRIOR FILING DATE: 2000-06-15  
 PRIOR APPLICATION NUMBER: 60/240,816  
 PRIOR FILING DATE: 2000-10-17  
 PRIOR APPLICATION NUMBER: 60/276,248  
 PRIOR FILING DATE: 2001-03-16  
 PRIOR APPLICATION NUMBER: 60/277,379  
 PRIOR FILING DATE: 2001-03-21  
 PRIOR APPLICATION NUMBER: 60/293,499  
 PRIOR FILING DATE: 2001-05-25  
 NUMBER OF SEQ ID NOS: 3239  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO 2555  
 LENGTH: 14  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-09-880-748-2555

Query Match 7.6% Score 6; DB 10; Length 14;  
 Best Local Similarity 100.0%; Pred. No. 1.2e+02;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 44 PLAPLS 49  
 Db 8 PLAPLS 13

RESULT 9  
 US-10-293-418-2555  
 Sequence 2555, Application US/10293418  
 Publication No. US20030223996A1  
 GENERAL INFORMATION:  
 APPLICANT: Ruben et al.  
 TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blygs  
 FILE REFERENCE: PFS23P2  
 CURRENT APPLICATION NUMBER: US/10/293,418

CURRENT FILING DATE: 2002-11-27  
 PRIOR APPLICATION NUMBER: 60/331,469  
 PRIOR FILING DATE: 2001-11-16  
 PRIOR APPLICATION NUMBER: 60/340,817  
 PRIOR FILING DATE: 2001-12-19  
 PRIOR APPLICATION NUMBER: 09/880,748  
 PRIOR FILING DATE: 2001-06-15  
 PRIOR APPLICATION NUMBER: 60/293,499  
 PRIOR FILING DATE: 2001-05-25  
 PRIOR APPLICATION NUMBER: 60/277,379  
 PRIOR FILING DATE: 2001-03-21  
 PRIOR APPLICATION NUMBER: 60/276,248  
 PRIOR FILING DATE: 2001-03-16  
 PRIOR APPLICATION NUMBER: 60/240,816  
 PRIOR FILING DATE: 2000-10-17  
 PRIOR APPLICATION NUMBER: 60/212,210  
 PRIOR FILING DATE: 2000-06-16  
 NUMBER OF SEQ ID NOS: 3247  
 SEQ ID NO 2555  
 LENGTH: 14  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-10-293-418-2555

Query Match 7.6% Score 6; DB 12; Length 14;  
 Best Local Similarity 100.0%; Pred. No. 1.2e+02;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 44 PLAPLS 49  
 Db 8 PLAPLS 13

RESULT 10  
 US-08-736-019-49  
 Sequence 49, Application US/08736019  
 Publication No. US2003020799A1  
 GENERAL INFORMATION:  
 APPLICANT: Goodearl, Andrew  
 APPLICANT: Strocobant, Paul  
 APPLICANT: Minghetti, Luisa  
 APPLICANT: Watersfield, Michael  
 APPLICANT: Marchionni, Mark  
 APPLICANT: Chen, Mario  
 TITLE OF INVENTION: GLIAL MITOGENIC FACTORS, THEIR  
 PREPARATION AND USE  
 NUMBER OF SEQUENCES: 189  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Clark & Elbing LLP  
 STREET: 176 Federal Street  
 CITY: Boston  
 STATE: Massachusetts  
 COUNTRY: U.S.A.  
 ZIP: 02110  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: 3.5" Diskette, 1.44 MB  
 COMPUTER: IBM Compatible Pentium  
 OPERATING SYSTEM: Windows95  
 SOFTWARE: FastSeq Version 2.0  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/736,019  
 FILING DATE: 22-OCT-1996  
 CLASSIFICATION: 514  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/471,833  
 FILING DATE: 06-JUN-1995  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/036,555  
 FILING DATE: 24-MAR-1993  
 PRIOR APPLICATION DATA: 07/965,173  
 APPLICATION NUMBER: 07/965,173  
 FILING DATE: 23-OCT-1992

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PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/907,138
FILING DATE: 30-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/940,389
FILING DATE: 03-SEP-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/863,703
FILING DATE: 03-APR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: UK 91 07566.3
FILING DATE: 10-APR-1991
ATTORNEY/AGENT INFORMATION:
NAME: Bleker-Brady, Kristina
REGISTRATION NUMBER: 39,109
REFERENCE/DOCKET NUMBER: 04585/002000
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 428-0200
TELEFAX: (617) 428-7045
TELEX:
INFORMATION FOR SEQ ID NO: 49:
SEQUENCE CHARACTERISTICS:
LENGTH: 15
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
US-08-736-019-49

Query Match
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 56 SPVSVG 61
Db 2 SPVSVG 7

RESULT 11
US-08-736-019-37
Sequence 37, Application US/08736019
Publication No. US2003020799A1
GENERAL INFORMATION:
APPLICANT: Goodheart, Andrew
APPLICANT: Stroobant, Paul
APPLICANT: Mingsheiti, Luisa
APPLICANT: Waterfield, Michael
APPLICANT: Marchionni, Mark
APPLICANT: Chen, Mario
APPLICANT: Hiles, Ian
TITLE OF INVENTION: G1AL MITOGENIC FACTORS, THEIR
TITLE OF INVENTION: PREPARATION AND USE
NUMBER OF SEQUENCES: 189
CORRESPONDENCE ADDRESS:
ADDRESSEE: Clark & Eibing LLP
STREET: 176 Federal Street
CITY: Boston
STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02110
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTER: IBM Compatible Pentium
OPERATING SYSTEM: Windows95
SOFTWARE: FastSeq Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/736,019
FILING DATE: 22-OCT-1996
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/471,833
FILING DATE: 06-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/036,555
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FILING DATE: 24-MAR-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/965,173
FILING DATE: 23-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/907,138
FILING DATE: 30-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/940,389
FILING DATE: 03-SEP-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: UK 91 07566.3
FILING DATE: 10-APR-1991
ATTORNEY/AGENT INFORMATION:
NAME: Bleker-Brady, Kristina
REGISTRATION NUMBER: 39,109
REFERENCE/DOCKET NUMBER: 04585/002000
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 428-0200
TELEFAX: (617) 428-7045
TELEX:
INFORMATION FOR SEQ ID NO: 37:
SEQUENCE CHARACTERISTICS:
LENGTH: 16
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
FEATURE:
OTHER INFORMATION: Xaa in position 1 is Lysine or
OTHER INFORMATION: Arginine.
US-08-736-019-37

Query Match
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 56 SPVSVG 61
Db 3 SPVSVG 8

RESULT 12
US-10-225-567A-1939
Sequence 1939, Application US/10225567A
Publication No. US20030113798A1
GENERAL INFORMATION:
APPLICANT: Lifespan Biosciences
APPLICANT: Brown, Joseph P.
APPLICANT: Burmer, Glenna C.
APPLICANT: Roush, Christine L.
TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTOR
FILE REFERENCE: 1920-4-4
CURRENT APPLICATION NUMBER: US/10/225,567A
CURRENT FILING DATE: 2001-12-19
PRIOR APPLICATION NUMBER: 60/257,144
NUMBER OF SEQ ID NOS: 2292
SOFTWARE: Patentin version 3.1
SEQ ID NO 1939
LENGTH: 19
TYPE: PRT
ORGANISM: Homo sapiens
US-10-225-567A-1939

Query Match
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 20 PGPAP 25
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Db 9 PGFAPV 14

RESULT 13

US-10-653-595-436

Sequence 436, Application US/10653595

Publication No. US20040048304A1

GENERAL INFORMATION:

APPLICANT: Ruben et. al.

TITLE OF INVENTION: 95 Human secreted proteins

FILE REFERENCE: P2027P1

CURRENT APPLICATION NUMBER: US/10/653,595

CURRENT FILING DATE: 2003-09-03

PRIOR APPLICATION NUMBER: US 09/397945

PRIOR FILING DATE: 1999-09-17

PRIOR APPLICATION NUMBER: PCT/US99/05804

PRIOR FILING DATE: 1999-03-18

PRIOR APPLICATION NUMBER: 60/078,566

PRIOR FILING DATE: 1998-03-19

PRIOR APPLICATION NUMBER: 60/078,576

PRIOR FILING DATE: 1998-03-19

PRIOR APPLICATION NUMBER: 60/078,573

PRIOR FILING DATE: 1998-03-19

PRIOR APPLICATION NUMBER: 60/078,574

PRIOR FILING DATE: 1998-03-19

PRIOR APPLICATION NUMBER: 60/078,579

PRIOR FILING DATE: 1998-03-19

PRIOR APPLICATION NUMBER: 60/080,314

PRIOR FILING DATE: 1998-04-01

PRIOR APPLICATION NUMBER: 60/080,312

PRIOR FILING DATE: 1998-04-01

PRIOR APPLICATION NUMBER: 60/078,578

PRIOR FILING DATE: 1998-03-19

Remaining Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 470

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 436

LENGTH: 23

TYPE: PRT

ORGANISM: Homo sapiens

US-10-653-595-436

Query Match

Best Local Similarity 100.0%; Pred. No. 1.8e+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 PAAPV 14

Db 4 PAAPV 9

RESULT 14

US-09-397-945-436

Sequence 436, Application US/09397945

Publication No. US20030065139A1

GENERAL INFORMATION:

APPLICANT: Human Genome Sciences, Inc. et al.

TITLE OF INVENTION: 95 Human secreted proteins

FILE REFERENCE: P2027P1

CURRENT APPLICATION NUMBER: US/09/397,945

CURRENT FILING DATE: 1999-09-17

PRIOR APPLICATION NUMBER: PCT/US99/05804

PRIOR FILING DATE: 1999-03-18

PRIOR APPLICATION NUMBER: 60/078,566

PRIOR FILING DATE: 1998-03-19

PRIOR APPLICATION NUMBER: 60/078,576

PRIOR FILING DATE: 1998-03-19

PRIOR APPLICATION NUMBER: 60/078,573

PRIOR FILING DATE: 1998-03-19

PRIOR APPLICATION NUMBER: 60/078,574

PRIOR FILING DATE: 1998-03-19

PRIOR APPLICATION NUMBER: 60/078,579

PRIOR FILING DATE: 1998-03-19

PRIOR APPLICATION NUMBER: 60/078,578

PRIOR FILING DATE: 1998-03-19

Remaining Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 470

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 289

LENGTH: 25

TYPE: PRT

ORGANISM: Homo sapiens

US-10-372-876-289

Query Match

Best Local Similarity 100.0%; Pred. No. 1.9e+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

PRIOR APPLICATION NUMBER: 60/080,314

PRIOR FILING DATE: 1998-04-01

PRIOR APPLICATION NUMBER: 60/080,312

PRIOR FILING DATE: 1998-04-01

PRIOR APPLICATION NUMBER: 60/078,578

PRIOR FILING DATE: 1998-03-19

PRIOR APPLICATION NUMBER: 60/078,581

PRIOR FILING DATE: 1998-03-19

PRIOR APPLICATION NUMBER: 60/078,577

PRIOR FILING DATE: 1998-03-19

PRIOR APPLICATION NUMBER: 60/078,563

PRIOR FILING DATE: 1998-03-19

PRIOR APPLICATION NUMBER: 60/080,313

PRIOR FILING DATE: 1998-04-01

NUMBER OF SEQ ID NOS: 470

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 436

LENGTH: 23

TYPE: PRT

ORGANISM: Homo sapiens

US-09-397-945-436

Query Match

Best Local Similarity 100.0%; Pred. No. 1.8e+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 PAAPV 14

Db 4 PAAPV 9

RESULT 15

US-10-372-876-289

Sequence 289, Application US/10372876

Publication No. US20030204071A1

GENERAL INFORMATION:

APPLICANT: Moore, Paul A. et al.

TITLE OF INVENTION: 110 Human Secreted Proteins

FILE REFERENCE: P2021P1

CURRENT APPLICATION NUMBER: US/10/372,876

CURRENT FILING DATE: 2003-02-26

PRIOR APPLICATION NUMBER: 09/334,555

PRIOR FILING DATE: 1999-06-17

PRIOR APPLICATION NUMBER: PCT/US98/27059

PRIOR FILING DATE: 1998-12-17

PRIOR APPLICATION NUMBER: 60/070,923

PRIOR FILING DATE: 1997-12-18

PRIOR APPLICATION NUMBER: 60/068,007

PRIOR FILING DATE: 1997-12-18

PRIOR APPLICATION NUMBER: 60/068,057

PRIOR FILING DATE: 1997-12-18

PRIOR APPLICATION NUMBER: 60/068,006

PRIOR FILING DATE: 1997-12-18

PRIOR APPLICATION NUMBER: 60/068,369

PRIOR FILING DATE: 1997-12-19

PRIOR APPLICATION NUMBER: 60/068,367

PRIOR FILING DATE: 1997-12-19

PRIOR APPLICATION NUMBER: 60/068,368

PRIOR FILING DATE: 1997-12-19

PRIOR APPLICATION NUMBER: 60/068,169

PRIOR FILING DATE: 1997-12-19

Remaining Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 672

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 289

LENGTH: 25

TYPE: PRT

ORGANISM: Homo sapiens

US-10-372-876-289

Query Match

Best Local Similarity 100.0%; Pred. No. 1.9e+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Fri Jun 4 11:10:10 2004

us-09-234-208b-1.oliszm80.rapb

Page 7

Qy	6	LPRPA	11
Db	16	LPRPA	21

Search completed: June 4, 2004, 10:56:21  
Job time : 42 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: June 4, 2004, 10:42:12 ; Search time 22 Seconds  
(without alignments)  
185.384 Million cell updates/sec

Title: US-09-234-208b-1

Perfect score: 79  
Sequence: 1 GTHSLPRPAAVPFLRMQP.....VGRGPDPAHVAVNLSRYEG 79

Scoring table: OLIGO  
Gapop 60.0, Capext 60.0

Searched: 389414 seqs, 51625971 residues

Word size: 0

Total number of hits satisfying chosen parameters: 255172

Minimum DB seq length: 0  
Maximum DB seq length: 80

Post-processing: Listing first 45 summaries

Database:

Issued Patents AA: \*  
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2: /cgm2\_6/prodata/2/1aa/5B\_COMB.pep.\*  
3: /cgm2\_6/prodata/2/1aa/5A\_COMB.pep.\*  
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5: /cgm2\_6/prodata/2/1aa/5A\_COMB.pep.\*  
6: /cgm2\_6/prodata/2/1aa/5B\_COMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	79	100.0	79	4 US-09-630-155-1	Sequence 1, Appl
2	76	7.6	12	2 US-08-811-492-146	Sequence 146, App
3	76	7.6	15	1 US-08-036-555B-49	Sequence 49, Appl
4	76	7.6	15	1 US-08-469-569-49	Sequence 49, Appl
5	76	7.6	15	1 US-08-249-322A-49	Sequence 49, Appl
6	76	7.6	15	1 US-08-469-526A-49	Sequence 49, Appl
7	76	7.6	15	2 US-08-734-591A-49	Sequence 49, Appl
8	76	7.6	15	2 US-08-469-660-49	Sequence 49, Appl
9	76	7.6	15	3 US-08-341-018-82	Sequence 82, Appl
10	76	7.6	15	3 US-08-470-335-49	Sequence 49, Appl
11	76	7.6	15	3 US-08-735-021-49	Sequence 49, Appl
12	76	7.6	15	3 US-08-734-664A-49	Sequence 49, Appl
13	76	7.6	15	3 US-08-470-339-49	Sequence 49, Appl
14	76	7.6	15	3 US-08-469-526A-37	Sequence 37, Appl
15	76	7.6	15	5 PCT-US94-05083C-46	Sequence 46, Appl
16	76	7.6	15	5 PCT-US95-06846A-49	Sequence 49, Appl
17	76	7.6	16	1 US-08-036-555B-37	Sequence 37, Appl
18	76	7.6	16	1 US-08-469-569-37	Sequence 37, Appl
19	76	7.6	16	1 US-08-249-322A-37	Sequence 37, Appl
20	76	7.6	16	1 US-08-469-526A-37	Sequence 37, Appl
21	76	7.6	16	2 US-08-734-591A-37	Sequence 37, Appl
22	76	7.6	16	2 US-08-469-660-37	Sequence 37, Appl
23	76	7.6	16	3 US-08-470-335-37	Sequence 37, Appl
24	76	7.6	16	3 US-08-735-021-37	Sequence 37, Appl
25	76	7.6	16	3 US-08-734-664A-37	Sequence 37, Appl
26	76	7.6	16	3 US-08-470-339-37	Sequence 37, Appl
27	76	7.6	16	4 US-08-467-602-37	Sequence 37, Appl

28	7.6	16	5	PCT-US94-05083C-37	Sequence 37, Appl
29	7.6	16	5	PCT-US95-06846A-37	Sequence 37, Appl
30	7.6	30	4	US-09-537-226-11	Sequence 11, Appl
31	7.6	34	1	US-08-118-270-81	Sequence 81, Appl
32	7.6	34	1	US-08-085-122-11	Sequence 11, Appl
33	7.6	34	2	US-08-319-052-21	Sequence 21, Appl
34	7.6	34	3	US-08-442-108B-21	Sequence 21, Appl
35	7.6	34	5	PCT-US93-08528-81	Sequence 81, Appl
36	7.6	52	4	US-09-621-976-6281	Sequence 6281, Ap
37	7.6	65	4	US-09-134-000C-4455	Sequence 4455, Ap
38	7.6	65	4	US-09-543-668A-6668	Sequence 6668, Ap
39	7.6	71	4	US-09-489-039A-11681	Sequence 11681, A
40	7.6	74	4	US-09-134-001C-4092	Sequence 4092, Ap
41	6.3	9	1	US-08-178-570-29	Sequence 29, Appl
42	6.3	9	3	US-08-369-643-29	Sequence 29, Appl
43	6.3	9	3	US-08-159-339A-973	Sequence 973, App
44	6.3	9	4	US-09-311-764A-430	Sequence 430, Appl
45	6.3	9	5	PCT-US95-00147-29	Sequence 29, Appl

#### ALIGNMENTS

RESULT 1  
US-09-630-155-1  
Sequence 1, Application US/09630155  
Patent No. 6414130  
GENERAL INFORMATION:  
APPLICANT: Doherty, Joni Kristin and Gail M. Clinton  
TITLE OF INVENTION: HER-2 BINDING ANTAGONISTS  
NUMBER OF SEQUENCES: 9  
CORRESPONDENCE ADDRESS:  
ADDRESSER: DAVIS WRIGHT TREMAINE LLP  
STREET: 1501 Fourth Avenue, 2600 Century Square  
CITY: Seattle  
STATE: Washington  
COUNTRY: U.S.A.  
ZIP: 98101  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: PC compatible  
OPERATING SYSTEM: Windows95  
SOFTWARE: Word  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/630,155  
FILING DATE: 16-Jan-2001  
CLASSIFICATION: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Davison, Barry L.  
REGISTRATION NUMBER: 47,309  
REFERENCE/DOCKET NUMBER: 49321-10  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 206 628-7621  
TELEFAX: 206 628-7699  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 79  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: unknown  
MOLECULE TYPE: HER-2 ECD antagonist  
SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
US-09-630-155-1  
Query Match 100.0%; Score 79; DB 4; Length 79;  
Best Local Similarity 100.0%; Pred. No. 2, Be-69;  
Matches 79; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 GTHSLPRPAAVPFLRMQPGPAHVLSFLRPSMDLVSATFSLPLAPLSPISVSPV 60  
DB 1 GTHSLPRPAAVPFLRMQPGPAHVLSFLRPSMDLVSATFSLPLAPLSPISVSPV 60  
QY 61 GTHSLPRPAAVPFLRMQPGPAHVLSFLRPSMDLVSATFSLPLAPLSPISVSPV 60

Db 61 GCGPDPDAHVAWNLRYEG 79

## RESULT 2

US-08-811-492-146  
Sequence 146, Application US/08811492  
Patent No. 5834247  
GENERAL INFORMATION:  
APPLICANT: COMB. DONALD G.  
PERLER, FRANCIS B.  
APPLICANT: JACK, WILLIAM E.  
APPLICANT: XU, MING-QUN  
APPLICANT: HODGES, ROBERT A.  
APPLICANT: NOREN, CHRISTOPHER J.  
APPLICANT: CHONG, SHARONG S.C.  
APPLICANT: ADAM, ERIC  
APPLICANT: SOUTHWORTH, MAURICE  
TITLE OF INVENTION: MODIFIED PROTEINS, METHODS OF THEIR  
PRODUCTION AND METHODS FOR PURIFICATION OF TARGET  
TITLE OF INVENTION: PROTEINS  
NUMBER OF SEQUENCES: 155  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: GREGORY D. WILLIAMS; NEW ENGLAND BIOLABS, INC.  
STREET: 32 TOZER ROAD  
CITY: BEVERLY  
STATE: MASSACHUSETTS  
COUNTRY: USA  
ZIP: 01915  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC DOS/MS DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/811,492  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/580,555  
FILING DATE: 29-DEC-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/496,247  
FILING DATE: 28-JUN-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/146,885  
FILING DATE: 03-NOV-1993  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/004,139  
FILING DATE: 09-DEC-1992  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Williams, Gregory D  
REGISTRATION NUMBER: 30901  
REFERENCE/DOCKET NUMBER: NEB-036C4  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 508-927-5054  
TELEFAX: 508-927-1705  
TELEX:  
INFORMATION FOR SEQ ID NO: 146:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 12 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-811-492-146

Query Match 7.6%; Score 6; DB 2; Length 12;  
Best Local Similarity 100.0%; Pred. No. 21;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 45 LAPSP 50  
Db 7 LAPSP 12

## RESULT 3

US-08-036-555B-49  
Sequence 49, Application US/08036555B  
Patent No. 5530109  
GENERAL INFORMATION:  
APPLICANT: Goodheart, Andrew; Stroobant, Paul;  
APPLICANT: Minghetti, Luisa; Waterfield, Michael; Marchioni, Mark;  
APPLICANT: Chen, Mao; Su, Hilee, Ian  
TITLE OF INVENTION: Glial Mitogenic Factors, Their  
PREPARATION AND USE  
NUMBER OF SEQUENCES: 184  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pelfe & Lynch  
STREET: 805 Third Avenue  
CITY: New York City  
STATE: New York  
COUNTRY: USA  
ZIP: 10022  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage  
COMPUTER: IBM  
OPERATING SYSTEM: PC-DOS  
SOFTWARE: Wordperfect  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/036,555B  
FILING DATE: 24-MAR-1993  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/965,173  
FILING DATE: 23-OCT-1992  
APPLICATION NUMBER: 07/940,389  
FILING DATE: 03-SEP-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/907,138  
FILING DATE: 30-JUN-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/863,703  
FILING DATE: 03-APRIL-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: U.K. 91 07566.3  
FILING DATE: 10-APRIL-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Teal, Christine H.  
REGISTRATION NUMBER: 34,266  
REFERENCE/DOCKET NUMBER: LUD 5250.4  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 688-9200  
TELEFAX: (212) 838-3684  
INFORMATION FOR SEQ ID NO: 49:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 15  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
US-08-036-555B-49

Query Match 7.6%; Score 6; DB 1; Length 15;  
Best Local Similarity 100.0%; Pred. No. 26;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 56 SPVSYG 61  
Db 2 SPVSYG 7

RESULT 4  
US-08-469-569-49  
Sequence 49, Application US/08469569  
Patent No. 5606032  
GENERAL INFORMATION:  
APPLICANT: Goodearl, Andrew; Stroobant, Paul;  
APPLICANT: Minghetti, Luisa; Waterfield, Michael; Marchionni, Mark;  
APPLICANT: Chen, Maio Su; Hiles, Ian  
TITLE OF INVENTION: Glial Mitogenic Factors, Their  
NUMBER OF SEQUENCES: 184  
TITLE OF INVENTION: Preparation and Use  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Felfe & Lynch  
STREET: 805 Third Avenue  
CITY: New York City  
STATE: New York  
COUNTRY: USA  
ZIP: 10022  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage  
COMPUTER: IBM  
OPERATING SYSTEM: PC-DOS  
SOFTWARE: Wordperfect  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/469,569  
FILING DATE: 06-JUN-1995  
CLASSIFICATION: 530  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/940,389  
FILING DATE: 03-SEP-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/907,138  
FILING DATE: 30-JUN-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/863,703  
FILING DATE: 03-APRIL-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: U.K. 91 07566.3  
FILING DATE: 10-APRIL-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Tsai, Christine H.  
REGISTRATION NUMBER: 34,266  
REFERENCE/DOCKET NUMBER: LUD 5250.4  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 688-9200  
TELEFAX: (212) 838-3884  
INFORMATION FOR SEQ ID NO: 49:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 15  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
US-08-469-569-49

Query Match 7.6%; Score 6; DB 1; Length 15;  
Best Local Similarity 100.0%; Pred. No. 26;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 56 SPVSVC 61  
|||||  
Db 2 SPVSVC 7

RESULT 5  
US-08-249-322A-49  
Sequence 49, Application US/08249322A  
Patent No. 5716930  
GENERAL INFORMATION:

APPLICANT: Goodearl, Andrew; Stroobant, Paul;  
APPLICANT: Minghetti, Luisa; Waterfield, Michael; Marchionni, Mark;  
APPLICANT: Chen, Maio Su; Hiles, Ian  
TITLE OF INVENTION: Glial Mitogenic Factors, Their  
NUMBER OF SEQUENCES: 184  
TITLE OF INVENTION: Preparation and Use  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Felfe & Lynch  
STREET: 805 Third Avenue  
CITY: New York City  
STATE: New York  
COUNTRY: USA  
ZIP: 10022  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage  
COMPUTER: IBM  
OPERATING SYSTEM: PC-DOS  
SOFTWARE: Wordperfect  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/249,322A  
FILING DATE: 26-MAY-1994  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/036,555  
FILING DATE: 24-MAR-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/965,173  
FILING DATE: 23-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/940,389  
FILING DATE: 03-SEP-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/907,138  
FILING DATE: 30-JUN-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/863,703  
FILING DATE: 03-APRIL-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: U.K. 91 07566.3  
FILING DATE: 10-APRIL-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Tsai, Christine H.  
REGISTRATION NUMBER: 34,266  
REFERENCE/DOCKET NUMBER: LUD 250.4  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 688-9200  
TELEFAX: (212) 838-3884  
INFORMATION FOR SEQ ID NO: 49:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 15  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
US-08-249-322A-49

Query Match 7.6%; Score 6; DB 1; Length 15;  
Best Local Similarity 100.0%; Pred. No. 26;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 56 SPVSVC 61  
|||||  
Db 2 SPVSVC 7

RESULT 6  
US-08-469-526A-49  
Sequence 49, Application US/08469526A  
Patent No. 5792849  
GENERAL INFORMATION:  
APPLICANT: Goodearl, Andrew  
APPLICANT: Stroobant, Paul  
APPLICANT: Minghetti, Luisa  
APPLICANT: Waterfield, Michael

APPLICANT: Marchionni, Mark  
APPLICANT: Chen, Maio Su  
APPLICANT: Hiles, Ian  
TITLE OF INVENTION: GLIAL MITOGENIC FACTORS, THEIR  
PREPARATION AND USE  
NUMBER OF SEQUENCES: 187  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Clark & Elbing LLP  
STREET: 176 Federal Street  
CITY: Boston  
STATE: MA  
COUNTRY: USA  
ZIP: 02110  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/469,526A  
FILING DATE: 06 June 1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/036,555  
FILING DATE: 24-MAR-1993  
APPLICATION NUMBER: 07/965,173  
FILING DATE: 23-OCT-1992  
APPLICATION NUMBER: 07/940,389  
FILING DATE: 03-SEP-1992  
APPLICATION NUMBER: 07/907,138  
FILING DATE: 03-JUN-1992  
APPLICATION NUMBER: 07/863,703  
FILING DATE: 03-APRIL-1992  
APPLICATION NUMBER: U.K. 91 07566.3  
FILING DATE: 10-APR-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Baker-Brady, Kristina  
REGISTRATION NUMBER: 39,109  
REFERENCE/DOCKET NUMBER: 04585/00200A  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 617-428-0200  
TELEFAX: 617-428-7045  
INFORMATION FOR SEQ ID NO: 49:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 15  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-469-526A-49

Query Match 7.6%; Score 6; DB 1; Length 15;  
Best Local Similarity 100.0%; Pred. No. 26;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 56 SPVSVG 61  
DB 2 SPVSVG 7

RESULT 7  
US-08-734-591A-49  
Sequence 49, Application US/08734591A  
Patent No. 5854220  
GENERAL INFORMATION:  
APPLICANT: Goodheart, Andrew  
APPLICANT: Strocobant, Paul  
APPLICANT: Minghetti, Luisa  
APPLICANT: Waterfield, Michael  
APPLICANT: Hiles, Ian  
APPLICANT: Marchionni, Mark  
APPLICANT: Chen, Maio  
TITLE OF INVENTION: GLIAL MITOGENIC FACTORS, THEIR  
PREPARATION AND USE

NUMBER OF SEQUENCES: 187  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Clark & Elbing LLP  
STREET: 176 Federal Street  
CITY: Boston  
STATE: Massachusetts  
COUNTRY: U.S.A.  
ZIP: 02110  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5" Diskette, 1.44 MB  
COMPUTER: IBM Compatible Pentium  
OPERATING SYSTEM: Windows95  
SOFTWARE: WordPerfect (Version 7.0)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/734,591A  
FILING DATE: 22-OCT-1996  
CLASSIFICATION: 536  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/470,335  
FILING DATE: 06-JUN-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/036,555  
FILING DATE: 03-MAR-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/965,173  
FILING DATE: 23-OCT-1992  
APPLICATION NUMBER: 07/940,389  
FILING DATE: 03-SEP-1992  
APPLICATION NUMBER: 07/907,138  
FILING DATE: 30-JUN-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/863,703  
FILING DATE: 03-APR-1992  
APPLICATION NUMBER: UK 91 07566.3  
FILING DATE: 10-APR-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Baker-Brady, Kristina  
REGISTRATION NUMBER: 39,109  
REFERENCE/DOCKET NUMBER: 04585/00200P  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 428-0200  
TELEFAX: (617) 428-7045  
INFORMATION FOR SEQ ID NO: 49:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 15  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
US-08-734-591A-49

Query Match 7.6%; Score 6; DB 2; Length 15;  
Best Local Similarity 100.0%; Pred. No. 26;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 56 SPVSVG 61  
DB 2 SPVSVG 7

RESULT 8  
US-08-469-660-49  
Sequence 49, Application US/08469660  
Patent No. 5876973  
GENERAL INFORMATION:  
APPLICANT: Gwynne, David I.; Marchionni, Mark;  
APPLICANT: McBurney, Robert N.  
TITLE OF INVENTION: INHIBITORS OF CELL PROLIFERATION,  
THEIR PREPARATION AND USE  
NUMBER OF SEQUENCES: 184



Fri Jun 4 11:10:10 2004

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Page 5

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CORRESPONDENCE ADDRESS:
ADDRESSER: Fish & Richardson
STREET: 225 Franklin Street
CITY: Boston
STATE: Massachusetts
ZIP: 0211-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
COMPUTER: IBM
OPERATING SYSTEM: PC-DOS
SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,660
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/011,396
FILING DATE: 29-JAN-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/984,085
FILING DATE: 01-DEC-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/951,747
FILING DATE: 25-SEP-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/927,337
FILING DATE: 10-AUG-1992
ATTORNEY/AGENT INFORMATION:
NAME: Clark, Paul T.
REGISTRATION NUMBER: 30,162
REFERENCE/DOCKET NUMBER: 04585/017004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-5070
TELEFAX: 200154
INFORMATION FOR SEQ ID NO: 49:
SEQUENCE CHARACTERISTICS:
LENGTH: 15
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
US-08-469-660-49

Query Match          7.6%; Score 6; DB 2; Length 15;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      56 SPVSVG 61
DB      2 SPVSVG 7

RESULT 9
US-08-341-018-82
; Sequence 82, Application US/08341018A
; Patent No. 6087323
; GENERAL INFORMATION:
; APPLICANT: Gymer, David I.
; APPLICANT: Mahantappa, Nagesh K.
; APPLICANT: Marchionni, Mark A.
; APPLICANT: Birmingham-McDonogh, Olivia
; APPLICANT: Goldin, Stanley M.
; APPLICANT: McBurney, Robert N.
; TITLE OF INVENTION: USE OF NEUREGLIN AS MODULATORS OF
; TITLE OF INVENTION: CELLULAR COMMUNICATION
; FILE REFERENCE: 04585/041001
; CURRENT APPLICATION NUMBER: US/08/341,018A
; CURRENT FILING DATE: 1994-11-17
; NUMBER OF SEQ ID NOS: 87
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 82
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Bos taurus
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US-08-341-018-82

Query Match          7.6%; Score 6; DB 3; Length 15;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      56 SPVSVG 61
DB      2 SPVSVG 7

RESULT 10
US-08-470-335-49
; Sequence 49, Application US/08470335F
; Patent No. 6147190
; GENERAL INFORMATION:
; APPLICANT: GOODEARL, ANDREW
; APPLICANT: STROOBANT, PAUL
; APPLICANT: MINIBETTI, LUISA
; APPLICANT: WATERFIELD, MICHAEL
; APPLICANT: MARCHIONNI, MARK
; APPLICANT: CHEN, MARIO S.
; TITLE OF INVENTION: GLIAL MITOGENIC FACTORS, THEIR
; TITLE OF INVENTION: PREPARATION AND USE
; FILE REFERENCE: 04585/00200B
; CURRENT APPLICATION NUMBER: US/08/470,335F
; CURRENT FILING DATE: 1995-06-06
; EARLIER APPLICATION NUMBER: 08/036,555
; EARLIER FILING DATE: 1993-03-24
; NUMBER OF SEQ ID NOS: 252
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 49
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Bos taurus
US-08-470-335-49

Query Match          7.6%; Score 6; DB 3; Length 15;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      56 SPVSVG 61
DB      2 SPVSVG 7

RESULT 11
US-08-735-021-49
; Sequence 49, Application US/08735021B
; Patent No. 6194377
; GENERAL INFORMATION:
; APPLICANT: GOODEARL, ANDREW
; APPLICANT: STROOBANT, PAUL
; APPLICANT: MINIBETTI, LUISA
; APPLICANT: WATERFIELD, MICHAEL
; APPLICANT: MARCHIONNI, MARK
; APPLICANT: CHEN, MARIO S.
; APPLICANT: HILES, IAN
; TITLE OF INVENTION: GLIAL MITOGENIC FACTORS, THEIR
; TITLE OF INVENTION: PREPARATION AND USE
; FILE REFERENCE: 04585/00200L
; CURRENT APPLICATION NUMBER: US/08/735,021B
; CURRENT FILING DATE: 1996-10-22
; EARLIER APPLICATION NUMBER: 08/472,065
; EARLIER FILING DATE: 1995-06-06
; EARLIER APPLICATION NUMBER: 08/036,555
; EARLIER FILING DATE: 1993-03-24
; EARLIER APPLICATION NUMBER: 07/965,173
; EARLIER FILING DATE: 1992-10-23
; EARLIER APPLICATION NUMBER: 07/940,389
; EARLIER FILING DATE: 1992-09-03
; EARLIER APPLICATION NUMBER: 07/907,138
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EARLIER FILING DATE: 1992-06-30  
EARLIER APPLICATION NUMBER: 07/863,703  
EARLIER FILING DATE: 1992-04-03  
NUMBER OF SEQ ID NOS: 192  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 49  
LENGTH: 15  
TYPE: PRT  
ORGANISM: Bos taurus  
US-08-735-021-49

Query Match 7.6%; Score 6; DB 3; Length 15;  
Best Local Similarity 100.0%; Pred. No. 26;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 56 SPVSVG 61  
Db 2 SPVSVG 7

RESULT 12  
US-08-734-664A-49  
Sequence 49, Application US/08734664A  
Patent No. 6204241  
GENERAL INFORMATION:  
APPLICANT: Goodheart, Andrew  
APPLICANT: Stroobant, Paul  
APPLICANT: Minghetti, Luisa  
APPLICANT: Waterfield, Michael  
APPLICANT: Marchionni, Mark  
APPLICANT: Chen, Mario  
APPLICANT: Hiles, Ian  
TITLE OF INVENTION: GILAL MITOGENIC FACTORS, THEIR  
NUMBER OF SEQUENCES: 187  
TITLE OF INVENTION: PREPARATION AND USE  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Clark & Biring LLP  
STREET: 176 Federal Street  
CITY: Boston  
STATE: Massachusetts  
COUNTRY: U.S.A.  
ZIP: 02110  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5" Diskette, 1.44 MB  
COMPUTER: IBM Compatible Pentium  
OPERATING SYSTEM: Windows95  
SOFTWARE: FastSeq Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/734,664A  
FILING DATE: 22-OCT-1996  
CLASSIFICATION: 536  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/249,322  
FILING DATE: 26-MAY-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/036,555  
FILING DATE: 24-MAR-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/965,173  
FILING DATE: 23-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/940,389  
FILING DATE: 03-SEP-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/907,138  
FILING DATE: 30-JUN-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/863,703  
FILING DATE: 03-APR-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: UK 91 07566.3  
FILING DATE: 10-APR-1991  
ATTORNEY/AGENT INFORMATION:

NAME: Bieker-Brady, Kristina  
REGISTRATION NUMBER: 39,109  
REFERENCE/DOCKET NUMBER: 04585/00200J  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 428-0200  
TELEFAX: (617) 428-7045  
TELEX:  
INFORMATION FOR SEQ ID NO: 49:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 15  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
US-08-734-664A-49

Query Match 7.6%; Score 6; DB 3; Length 15;  
Best Local Similarity 100.0%; Pred. No. 26;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 56 SPVSVG 61  
Db 2 SPVSVG 7

RESULT 13  
US-08-470-339-49  
Sequence 49, Application US/08470339C  
Patent No. 623286  
GENERAL INFORMATION:  
APPLICANT: GOODHEART, ANDREW  
APPLICANT: STROOBANT, PAUL  
APPLICANT: MINGHETTI, LUISA  
APPLICANT: WATERFIELD, MICHAEL  
APPLICANT: MARCHIONNI, MARK  
APPLICANT: CHEN, MARIO S.  
APPLICANT: HILES, IAN  
TITLE OF INVENTION: GILAL MITOGENIC FACTORS, THEIR  
NUMBER OF SEQUENCES: 187  
TITLE OF INVENTION: PREPARATION AND USE  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Clark & Biring LLP  
STREET: 176 Federal Street  
CITY: Boston  
STATE: Massachusetts  
COUNTRY: U.S.A.  
ZIP: 02110  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5" Diskette, 1.44 MB  
COMPUTER: IBM Compatible Pentium  
OPERATING SYSTEM: Windows95  
SOFTWARE: FastSeq Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/470,339C  
FILING DATE: 1995-06-06  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/036,555  
FILING DATE: 1993-03-24  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/940,389  
FILING DATE: 1992-09-03  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/907,138  
FILING DATE: 1992-06-30  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/863,703  
FILING DATE: 1992-04-03  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 91 07566.3 GB  
FILING DATE: 1999-04-10  
NUMBER OF SEQ ID NOS: 226  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 49  
LENGTH: 15  
TYPE: PRT  
ORGANISM: Bos taurus  
US-08-470-339-49

Query Match 7.6%; Score 6; DB 3; Length 15;  
Best Local Similarity 100.0%; Pred. No. 26;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 56 SPVSVG 61  
Db 2 SPVSVG 7

RESULT 14  
US-08-467-602-49  
Sequence 49, Application US/08467602C  
Patent No. 644642  
GENERAL INFORMATION:

```

APPLICANT: Sklar, Robert
APPLICANT: Marchionni, Mark
APPLICANT: Gwynne, David I.
TITLE OF INVENTION: METHODS FOR TREATING MUSCLE DISEASES AND
FILE REFERENCE: 04585/028003
CURRENT APPLICATION NUMBER: US/08/467,602C
CURRENT FILING DATE: 1995-06-06
EARLIER APPLICATION NUMBER: 08/209,204
EARLIER FILING DATE: 1994-03-08
EARLIER APPLICATION NUMBER: 08/059,022
EARLIER FILING DATE: 1993-05-06
NUMBER OF SEQ ID NOS: 420
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 49
LENGTH: 15
TYPE: PRT
ORGANISM: Bos taurus
US-08-467-602-49

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Query Match          7.6%; Score 6; DB 4; Length 15;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 56 SPVSVG 61
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Db 2 SPVSVG 7

```

```

RESULT 15
PCT-US94-05083C-46
Sequence 46, Application PC/TUS9405083C
GENERAL INFORMATION:
APPLICANT: Robert Sklar, Mark Marchionni,
APPLICANT: David I. Gwynne
TITLE OF INVENTION: METHODS FOR ALTERING
TITLE OF INVENTION: MUSCLE CONDITION
NUMBER OF SEQUENCES: 185
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson
STREET: 225 Franklin Street
City: Boston
STATE: Massachusetts
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch, 360
COMPUTER: IBM
OPERATING SYSTEM: PC-DOS
SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/05083C
FILING DATE: 06-MAY-94
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/209,204
FILING DATE: 08-MAR-94
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/059,022
FILING DATE: 06-MAY-93
ATTORNEY/AGENT INFORMATION:
NAME: Clark, Paul T.
REGISTRATION NUMBER: 30,162
REFERENCE/DOCKET NUMBER: 04585/028W01
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-5070
TELEFAX: (617) 542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 46:
SEQUENCE CHARACTERISTICS:
LENGTH: 15
TYPE: amino acid
STRANDEDNESS:

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TOPOLOGY: linear
PCT-US94-05083C-46

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Query Match          7.6%; Score 6; DB 5; Length 15;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 56 SPVSVG 61
    |||||
Db 2 SPVSVG 7

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Job time : 23 secs

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Fri Jun 4 11:10:11 2004

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OM protein - protein search, using sw model

Run on: June 4, 2004, 10:40:12 ; Search time 12.3735 Seconds

(without alignments)  
1796.239 Million cell updates/sec

Title: US-09-234-208B-1

Perfect score: 418  
Sequence: 1 GTHSLPRAAVPVLMQF.....VGRGPDPAVAVNLRYEG 79

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1155919 seqs, 28138677 residues

Total number of hits satisfying chosen parameters: 1155919

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database :

Published Applications AA:\*  
1: /cgn2\_6/prodata/2/pubppa/US07\_PUBCOMB.pep:\*  
2: /cgn2\_6/prodata/2/pubppa/PCT\_NEW\_PUB.pep:\*  
3: /cgn2\_6/prodata/2/pubppa/US06\_NEW\_PUB.pep:\*  
4: /cgn2\_6/prodata/2/pubppa/US06\_PUBCOMB.pep:\*  
5: /cgn2\_6/prodata/2/pubppa/US07\_NEW\_PUB.pep:\*  
6: /cgn2\_6/prodata/2/pubppa/PCTUS\_PUBCOMB.pep:\*  
7: /cgn2\_6/prodata/2/pubppa/US08\_NEW\_PUB.pep:\*  
8: /cgn2\_6/prodata/2/pubppa/US08\_PUBCOMB.pep:\*  
9: /cgn2\_6/prodata/2/pubppa/US09A\_PUBCOMB.pep:\*  
10: /cgn2\_6/prodata/2/pubppa/US09B\_PUBCOMB.pep:\*  
11: /cgn2\_6/prodata/2/pubppa/US09C\_PUBCOMB.pep:\*  
12: /cgn2\_6/prodata/2/pubppa/US09\_NEW\_PUB.pep:\*  
13: /cgn2\_6/prodata/2/pubppa/US10A\_PUBCOMB.pep:\*  
14: /cgn2\_6/prodata/2/pubppa/US10C\_PUBCOMB.pep:\*  
15: /cgn2\_6/prodata/2/pubppa/US10C\_PUBCOMB.pep:\*  
16: /cgn2\_6/prodata/2/pubppa/US10\_NEW\_PUB.pep:\*  
17: /cgn2\_6/prodata/2/pubppa/US60\_NEW\_PUB.pep:\*  
18: /cgn2\_6/prodata/2/pubppa/US60\_PUBCOMB.pep:\*

Prog. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Match	Length	ID	Description
1	355	84.9	79	US-10-344-470-1	Sequence 1, App1
2	355	84.9	79	US-10-302-663-1	Sequence 1, App1
3	351	84.0	419	US-10-344-470-2	Sequence 2, App1
4	351	84.0	419	US-10-302-663-2	Sequence 2, App1
5	86	20.6	459	US-09-468-147-206	Sequence 206, App
6	86	20.6	459	US-09-468-147-207	Sequence 207, App
7	86	20.6	459	US-10-319-745-206	Sequence 206, App
8	86	20.6	459	US-10-319-745-207	Sequence 207, App
9	83.5	20.0	888	US-09-931-836-35	Sequence 35, App1
10	83.5	20.0	888	US-10-147-493-544	Sequence 544, App
11	83.5	20.0	888	US-10-145-127-544	Sequence 544, App
12	83.5	20.0	888	US-10-160-503-544	Sequence 544, App
13	83.5	20.0	888	US-10-211-462-167	Sequence 167, App
14	83.5	20.0	888	US-10-143-118-544	Sequence 544, App
15	83.5	20.0	888	US-10-144-993-544	Sequence 544, App

16	83.5	20.0	888	US-10-158-787-544	Sequence 544, App
17	83.5	20.0	888	US-10-081-056-268	Sequence 268, App
18	83.5	20.0	888	US-10-140-024-544	Sequence 544, App
19	83.5	20.0	888	US-10-140-808-544	Sequence 544, App
20	83.5	20.0	888	US-10-152-405-544	Sequence 544, App
21	83.5	20.0	888	US-10-127-852A-544	Sequence 544, App
22	83.5	20.0	888	US-10-127-900A-544	Sequence 544, App
23	83.5	20.0	888	US-10-128-665A-544	Sequence 544, App
24	83.5	20.0	888	US-10-131-820A-544	Sequence 544, App
25	83.5	20.0	888	US-10-142-886-544	Sequence 544, App
26	83.5	20.0	888	US-10-146-728-544	Sequence 544, App
27	83.5	20.0	888	US-10-146-728-544	Sequence 544, App
28	83.5	20.0	888	US-10-147-499-544	Sequence 544, App
29	83.5	20.0	888	US-10-157-798-544	Sequence 544, App
30	83.5	20.0	888	US-10-305-654-568	Sequence 268, App
31	83.5	20.0	888	US-10-036-342-35	Sequence 35, App1
32	83.5	20.0	888	US-10-036-041-35	Sequence 35, App1
33	83.5	20.0	888	US-10-028-072-544	Sequence 544, App
34	83.5	20.0	888	US-10-035-855-35	Sequence 35, App1
35	83.5	20.0	888	US-10-121-049-544	Sequence 544, App
36	83.5	20.0	888	US-10-123-904-544	Sequence 544, App
37	83.5	20.0	888	US-10-140-470-544	Sequence 544, App
38	83.5	20.0	888	US-10-175-746-544	Sequence 544, App
39	83.5	20.0	888	US-10-176-918-544	Sequence 544, App
40	83.5	20.0	888	US-10-176-921-544	Sequence 544, App
41	83.5	20.0	888	US-10-035-214-35	Sequence 35, App1
42	83.5	20.0	888	US-10-137-865-544	Sequence 544, App
43	83.5	20.0	888	US-10-140-474-544	Sequence 544, App
44	83.5	20.0	888	US-10-035-719-35	Sequence 35, App1
45	83.5	20.0	888	US-10-142-431-544	Sequence 544, App

#### ALIGNMENTS

RESULT 1  
US-10-344-470-1  
Sequence 1, Application US/10344470  
Publication No. US20040052796A1  
GENERAL INFORMATION:  
APPLICANT: Clinton, Gall M.  
TITLE OF INVENTION: EXPRESSION OF HERSTATIN, AN ALTERNATIVE TO HER-2/NEU PRODUCT, IN  
TITLE OF INVENTION: THAT EXPRESSES EITHER P18SHER-2 OR THE EGF RECEPTOR INHIBITS RECH  
FILE REFERENCE: 49321-81  
CURRENT APPLICATION NUMBER: US/10/344,470  
PRIOR FILING DATE: 2003-06-09  
PRIOR APPLICATION NUMBER: PCT / US01/25502  
PRIOR FILING DATE: 2001-08-14  
PRIOR FILING DATE: 2000-08-14  
NUMBER OF SEQ ID NOS: 10  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 1  
LENGTH: 79  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: MISC FEATURE  
LOCATION: (2)-(2)  
OTHER INFORMATION: Applicants herein disclose Thr and Ser sequence variants at this  
OTHER INFORMATION: position  
NAME/KEY: MISC FEATURE  
LOCATION: (5)-(5)  
OTHER INFORMATION: Applicants herein disclose Leu and Pro sequence variants at this  
OTHER INFORMATION: position  
NAME/KEY: MISC FEATURE  
LOCATION: (6)-(6)  
OTHER INFORMATION: Applicants herein disclose Pro and Leu sequence variants at this  
OTHER INFORMATION: position  
FEATURE:

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; ORGANISM: Homo Sapiens
;
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 2
; OTHER INFORMATION: Applicants herein disclose Thr and Ser sequence variants at this
; FEATURE:
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/ RESULT 3
/ US-10-344-470-2
/ Sequence 2, Application US/10344470
/ Publication No. US20040052796A1
/ GENERAL INFORMATION:
/ APPLICANT: Clinton, Gail M.
/ TITLE OF INVENTION: EXPRESSION OF HER-2/NEU PRODUCT, I
/ TITLE OF INVENTION: THAT EXPRESS EITHER P15HER-2 OR THE BGF RECEPTOR INHIBITS RE
/ TITLE OF INVENTION: CELL GROWTH
/ FILE REFERENCE: 49321-81
/ CURRENT APPLICATION NUMBER: US/10/344,470
/ CURRENT FILING DATE: 2003-06-09
/ PRIOR APPLICATION NUMBER: PCT / US01/25502
/ PRIOR FILING DATE: 2001-08-14
/ PRIOR APPLICATION NUMBER: US 09/638,834
/ PRIOR FILING DATE: 2000-08-14
/ NUMBER OF SEQ ID NOS: 10
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 2
/ LENGTH: 419
/ TYPE: PRT
/ ORGANISM: Homo sapiens

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Query Match          84.0%  Score 351;  DB 12;  Length 419;
Best Local Similarity 86.1%  Pred. No. 1,4e-26;
Matches 68;  Conservative 0;  Mismatches 11;  Indels 0;  Gaps 0;

QY      1  GTGSLTPPAAPVPELEKNOGPAHPVLSTFRRSDVLVAFTSLPAFTSPKSPVPSVSV 60
DB      341  GXHSXKPPPAAPVPEVFXRXQPPAHPVLSTFRRSDVLVAFTSLPAFTSPKSPVSV 400
QY      61  GRGPDQDAHVAVNLSTRYEG 79
          ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB      401  GRGKDPDAHVAVXLSRYEG 419

RESULT 4
US-10-302-663-2
; Sequence 2, Application US/10302663
; Publication No. US20040022785A1
; GENERAL INFORMATION:
; APPLICANT: Clinton, Gail M.
; TITLE OF INVENTION: EXPRESSION OF HERSTATIN, AN ALTERNATIVE HER-2/NEU PRODUCT, IN CELLS
; TITLE OF INVENTION: EXPRESS EITHER P15SHER-2 OR THE EGF RECEPTOR INHIBITS RECEPTOR 2

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1 LENGTH: 4.19
2 TYPE: PRT
3 ORGANISM: Homo Sapiens
4 FEATURE:
5 NAME/KEY: VARIANT
6 LOCATION: 342
7 OTHER INFORMATION: Applicants herein disclose Thr and Ser sequence variants at this
8 FEATURE:
9 NAME/KEY: VARIANT
10 LOCATION: 345
11 OTHER INFORMATION: Applicants herein disclose Leu and Pro sequence variants at this
12 FEATURE:
13 NAME/KEY: VARIANT
14 LOCATION: 346
15 OTHER INFORMATION: Applicants herein disclose Pro and Leu sequence variants at this
16 FEATURE:
17 NAME/KEY: VARIANT
18 LOCATION: 356
19 OTHER INFORMATION: Applicants herein disclose Leu and Gln sequence variants at this
20 FEATURE:
21 NAME/KEY: VARIANT
22 LOCATION: 358
23 OTHER INFORMATION: Applicants herein disclose Met and Leu sequence variants at this
24 FEATURE:
25 NAME/KEY: VARIANT
26 LOCATION: 361
27 OTHER INFORMATION: Applicants herein disclose Gly, Asp, Ala and Val sequence varian
28 OTHER INFORMATION: position
29 FEATURE:
30 NAME/KEY: VARIANT
31 LOCATION: 376
32 OTHER INFORMATION: Applicants herein disclose Leu and Ile sequence variants at this
33 FEATURE:
34 NAME/KEY: VARIANT
35 LOCATION: 394
36 OTHER INFORMATION: Applicants herein disclose Pro and Arg sequence variants at this
37 FEATURE:
38 NAME/KEY: VARIANT
39 LOCATION: 404
40 OTHER INFORMATION: Applicants herein disclose Pro and Leu sequence variants at this
41 FEATURE:
42 NAME/KEY: VARIANT
43 LOCATION: 413
44 OTHER INFORMATION: Applicants herein disclose Asp and Asn sequence variants at this
45 JS-10-302-663-2

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RESULT 5  
US-09-468-147-206  
; Sequence: 206, Application US/09468147A  
; Publication No. US20030049601A1  
; GENERAL INFORMATION:  
; APPLICANT: Abbott Laboratories



Fri Jun 4 11:10:11 2004

us-09-234-208b-1.rapb

Page 5

PRIOR FILING DATE: EARLIER FILING DATE: 1997-10-15  
NUMBER OF SEQ ID NOS: 258  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 207  
LENGTH: 459  
TYPE: PRT  
ORGANISM: Hepatitis E Virus  
FEATURE:  
OTHER INFORMATION: PLOREF32M-14-5.pcp  
US-10-319-745-207

Query Match 20.6%; Score 86; DB 12; Length 459;  
Best Local Similarity 34.2%; Pred. No. 2.2; Mismatches 28; Indels 12; Gaps 4;  
Matches 27; Conservative 12;

QY 1 GTSHLPRAVAVPEPRMOPGPAHVLFLRPSMDLVSAFYSIAPL--SFTSVPISP 57  
DB 57 GTVGLILSPS--PSPFIPTPS--PMSFNPGLIALDSRPAPLAPLAVTSPSAPPLPP 113  
QY 58 V-----SVRGPPDPDAH 70  
DB 114 VVDLPQLGRLRGADGTAEI 132

RESULT 9

US-09-931-836-35  
Sequence 35, Application US/09931836  
Publication No. US2003027249A1  
GENERAL INFORMATION:  
APPLICANT: Desnoyers, Luc  
APPLICANT: Baton, Dan L.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Pan, James  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Matanabe, Colin K.  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zenlin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
TITLE OF INVENTION: ACIDS ENCODING THE SAME  
FILE REFERENCE: P3030R1C1  
CURRENT APPLICATION NUMBER: US/09/931,836  
CURRENT FILING DATE: 2001-08-16  
PRIOR APPLICATION NUMBER: 60/085579  
PRIOR FILING DATE: 1998-05-15  
PRIOR APPLICATION NUMBER: 60/112514  
PRIOR FILING DATE: 1998-12-15  
PRIOR APPLICATION NUMBER: 60/113300  
PRIOR FILING DATE: 1998-12-22  
PRIOR APPLICATION NUMBER: 60/113430  
PRIOR FILING DATE: 1998-12-23  
PRIOR APPLICATION NUMBER: 60/113605  
PRIOR FILING DATE: 1998-12-23  
PRIOR APPLICATION NUMBER: 60/113621  
PRIOR FILING DATE: 1998-12-23  
PRIOR APPLICATION NUMBER: 60/114140  
PRIOR FILING DATE: 1998-12-23  
PRIOR APPLICATION NUMBER: 60/115552  
PRIOR FILING DATE: 1999-01-12  
PRIOR APPLICATION NUMBER: 60/116843  
PRIOR FILING DATE: 1999-01-22  
PRIOR APPLICATION NUMBER: 60/125774  
PRIOR FILING DATE: 1999-03-23  
PRIOR APPLICATION NUMBER: 60/125778  
PRIOR FILING DATE: 1999-03-23  
PRIOR APPLICATION NUMBER: 60/125826  
PRIOR FILING DATE: 1999-03-24  
PRIOR APPLICATION NUMBER: 60/127055  
PRIOR FILING DATE: 1999-03-31  
PRIOR APPLICATION NUMBER: 60/127706  
PRIOR FILING DATE: 1999-04-05  
PRIOR APPLICATION NUMBER: 60/129122

PRIOR FILING DATE: 1999-04-13  
PRIOR APPLICATION NUMBER: 60/130359  
PRIOR FILING DATE: 1999-04-21  
PRIOR APPLICATION NUMBER: 60/131270  
PRIOR FILING DATE: 1999-04-27  
PRIOR APPLICATION NUMBER: 60/131272  
PRIOR FILING DATE: 1999-04-27  
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PRIOR FILING DATE: 1999-04-27  
PRIOR APPLICATION NUMBER: 60/132371  
PRIOR FILING DATE: 1999-05-04  
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PRIOR FILING DATE: 1999-05-04  
PRIOR APPLICATION NUMBER: 60/132383  
PRIOR FILING DATE: 1999-05-04  
PRIOR APPLICATION NUMBER: 60/135750  
PRIOR FILING DATE: 1999-05-25  
PRIOR APPLICATION NUMBER: 60/138166  
PRIOR FILING DATE: 1999-06-08  
PRIOR APPLICATION NUMBER: 60/144791  
PRIOR FILING DATE: 1999-07-20  
PRIOR APPLICATION NUMBER: 60/146970  
PRIOR FILING DATE: 1999-08-03  
PRIOR APPLICATION NUMBER: 60/162506  
PRIOR FILING DATE: 1999-10-29  
PRIOR APPLICATION NUMBER: 09/311832  
PRIOR FILING DATE: 1999-05-14  
PRIOR APPLICATION NUMBER: 09/380142  
PRIOR FILING DATE: 1999-08-25  
PRIOR APPLICATION NUMBER: 09/644848  
PRIOR FILING DATE: 2000-08-22  
PRIOR APPLICATION NUMBER: 09/747259  
PRIOR FILING DATE: 2000-12-20  
PRIOR APPLICATION NUMBER: 09/816744  
PRIOR FILING DATE: 2001-03-22  
PRIOR APPLICATION NUMBER: 09/854208  
PRIOR FILING DATE: 2001-05-10  
PRIOR APPLICATION NUMBER: 09/854280  
PRIOR FILING DATE: 2001-05-10  
PRIOR APPLICATION NUMBER: 09/874503  
PRIOR FILING DATE: 2001-06-05  
PRIOR APPLICATION NUMBER: 09/869599  
PRIOR FILING DATE: 2001-06-29  
PRIOR APPLICATION NUMBER: 09/908,827  
PRIOR FILING DATE: 2001-07-18  
PRIOR APPLICATION NUMBER: PCT/US99/10733  
PRIOR FILING DATE: 1999-05-14  
PRIOR APPLICATION NUMBER: PCT/US99/28551  
PRIOR FILING DATE: 1999-12-02  
PRIOR APPLICATION NUMBER: PCT/US99/30720  
PRIOR FILING DATE: 1999-12-22  
PRIOR APPLICATION NUMBER: PCT/US00/05601  
PRIOR FILING DATE: 2000-03-01  
PRIOR APPLICATION NUMBER: PCT/US00/05841  
PRIOR FILING DATE: 2000-03-02  
PRIOR APPLICATION NUMBER: PCT/US00/14042  
PRIOR FILING DATE: 2000-05-22  
PRIOR APPLICATION NUMBER: PCT/US00/15264  
PRIOR FILING DATE: 2000-06-02  
PRIOR APPLICATION NUMBER: PCT/US00/23522  
PRIOR FILING DATE: 2000-08-23  
PRIOR APPLICATION NUMBER: PCT/US00/23328  
PRIOR FILING DATE: 2000-08-24  
PRIOR APPLICATION NUMBER: PCT/US00/32678  
PRIOR FILING DATE: 2000-12-01  
PRIOR APPLICATION NUMBER: PCT/US00/34956  
PRIOR FILING DATE: 2000-12-20  
PRIOR APPLICATION NUMBER: PCT/US01/06520  
PRIOR FILING DATE: 2001-08-28  
PRIOR APPLICATION NUMBER: PCT/US01/17800  
PRIOR FILING DATE: 2001-06-01  
PRIOR APPLICATION NUMBER: PCT/US01/19692  
PRIOR FILING DATE: 2001-06-20



PRIOR APPLICATION NUMBER: PCT/US01/21066  
PRIOR FILING DATE: 2001-06-23  
PRIOR APPLICATION NUMBER: PCT/US01/21735  
PRIOR FILING DATE: 2001-07-09  
NUMBER OF SEQ ID NOS: 80  
SEQ ID NO 35  
LENGTH: 888  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-09-931-836-35

Query Match 20.0%; Score 83.5; DB 10; Length 888;  
Best Local Similarity 35.4%; Pred. No. 7.9;  
Matches 28; Conservative 7; Mismatches 33; Indels 11; Gaps 5;

QY 1 GTH----SLPRPAVVPRLMOPGPAHVPVLSFLRP-SWD---LVSAFVSLPLAPISPT 51  
DB 698 GPHLDGSLPTPEQTPLPQKRLPTP-HPHPALGPRAMDHGHLPLPASASSLILALPA 756

QY 52 SVPISPVSVGRGPDPAHV 70  
DB 757 RAPEQPPAPGE-PTPDGRL 774

RESULT 10  
US-10-147-493-544  
Sequence 544, Application US/10147493  
Publication No. US20040029217A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.  
APPLICANT: Beresini, Maureen  
APPLICANT: DeForge, Laura  
APPLICANT: Desnoyers, Luc  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Sherwood, Steven  
APPLICANT: Smith, Victoria  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K  
APPLICANT: Wood, William  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P333081C45  
CURRENT APPLICATION NUMBER: US/10/147,493  
CURRENT FILING DATE: 2002-05-17  
Prior Application removed - See File Wrapper or Palm  
NUMBER OF SEQ ID NOS: 550  
SEQ ID NO 544  
LENGTH: 888  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-147-493-544

Query Match 20.0%; Score 83.5; DB 12; Length 888;  
Best Local Similarity 35.4%; Pred. No. 7.9;  
Matches 28; Conservative 7; Mismatches 33; Indels 11; Gaps 5;

QY 1 GTH----SLPRPAVVPRLMOPGPAHVPVLSFLRP-SWD---LVSAFVSLPLAPISPT 51  
DB 698 GPHLDGSLPTPEQTPLPQKRLPTP-HPHPALGPRAMDHGHLPLPASASSLILALPA 756

QY 52 SVPISPVSVGRGPDPAHV 70  
DB 757 RAPEQPPAPGE-PTPDGRL 774

RESULT 11

US-10-145-127-544

Sequence 544, Application US/10145127  
Publication No. US20040033558A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.  
APPLICANT: Beresini, Maureen  
APPLICANT: DeForge, Laura  
APPLICANT: Desnoyers, Luc  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Sherwood, Steven  
APPLICANT: Smith, Victoria  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K  
APPLICANT: Wood, William  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P333081C252  
CURRENT APPLICATION NUMBER: US/10/145,127  
CURRENT FILING DATE: 2002-05-13  
Prior Application removed - See File Wrapper or Palm  
NUMBER OF SEQ ID NOS: 550  
SEQ ID NO 544  
LENGTH: 888  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-145-127-544

Query Match 20.0%; Score 83.5; DB 12; Length 888;  
Best Local Similarity 35.4%; Pred. No. 7.9;  
Matches 28; Conservative 7; Mismatches 33; Indels 11; Gaps 5;

QY 1 GTH----SLPRPAVVPRLMOPGPAHVPVLSFLRP-SWD---LVSAFVSLPLAPISPT 51  
DB 698 GPHLDGSLPTPEQTPLPQKRLPTP-HPHPALGPRAMDHGHLPLPASASSLILALPA 756

QY 52 SVPISPVSVGRGPDPAHV 70  
DB 757 RAPEQPPAPGE-PTPDGRL 774

RESULT 12  
US-10-160-503-544  
Sequence 544, Application US/10160503  
Publication No. US20040033559A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.  
APPLICANT: Beresini, Maureen  
APPLICANT: DeForge, Laura  
APPLICANT: Desnoyers, Luc  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Sherwood, Steven  
APPLICANT: Smith, Victoria  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K  
APPLICANT: Wood, William  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P333081C446  
CURRENT APPLICATION NUMBER: US/10/160,503

CURRENT FILING DATE: 2002-05-30  
 NUMBER OF SEQ ID NOS: 550  
 SEQ ID NO 544  
 LENGTH: 888  
 TYPE: PRT  
 ORGANISM: Homo Sapien  
 US-10-160-503-544

Query Match 20.0%; Score 83.5; DB 12; Length 888;  
 Best Local Similarity 35.4%; Pred. No. 7.9;  
 Matches 28; Conservative 7; Mismatches 33; Indels 11; Gaps 5;

QY 1 GTH-----SLPRPAVVPRLMOPGPAHPLYSLR-P-SMD-----LVSAPYSLPLAPISPT 51  
 DB 698 GPHDLDSGLPTPEQTLPOKRLPTP-HPHPHALGPRAWHGHLPLPASASSLLILAFA 756

QY 52 SVPISPVSVGRGPPDPDAH 70  
 DB 757 RAPEQPPAPGE-PTPDGRL 774

## RESULT 13

US-10-211-462-167  
 Sequence 167; Application US/10211462  
 Publication No. US20040033495A1  
 GENERAL INFORMATION:

APPLICANT: Murray, Richard  
 APPLICANT: Glynn, Richard  
 APPLICANT: Watson, Susan R.  
 APPLICANT: Aziz, Nacasha  
 APPLICANT: Eos Biotechnology, Inc.  
 TITLE OF INVENTION: Methods of Diagnosis of Angiogenesis, Compositions and  
 FILE REFERENCE: 018501-006200US  
 CURRENT APPLICATION NUMBER: US/10/211,462  
 PRIOR FILING DATE: 2003-02-13  
 PRIOR APPLICATION NUMBER: US 09/784,356  
 PRIOR FILING DATE: 2001-02-14  
 PRIOR APPLICATION NUMBER: US 09/791,390  
 PRIOR FILING DATE: 2001-02-22  
 PRIOR APPLICATION NUMBER: US 60/310,025  
 PRIOR FILING DATE: 2001-08-03  
 PRIOR APPLICATION NUMBER: US 60/334,244  
 PRIOR FILING DATE: 2001-11-29  
 NUMBER OF SEQ ID NOS: 230  
 SOFTWARE: PatentIn Ver. 2.1  
 SEQ ID NO 167  
 LENGTH: 888  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-10-211-462-167

Query Match 20.0%; Score 83.5; DB 12; Length 888;  
 Best Local Similarity 35.4%; Pred. No. 7.9;  
 Matches 28; Conservative 7; Mismatches 33; Indels 11; Gaps 5;

QY 1 GTH-----SLPRPAVVPRLMOPGPAHPLYSLR-P-SMD-----LVSAPYSLPLAPISPT 51  
 DB 698 GPHDLDSGLPTPEQTLPOKRLPTP-HPHPHALGPRAWHGHLPLPASASSLLILAFA 756

QY 52 SVPISPVSVGRGPPDPDAH 70  
 DB 757 RAPEQPPAPGE-PTPDGRL 774

## RESULT 14

US-10-143-118-544  
 Sequence 544; Application US/10143118  
 Publication No. US20040038335A1  
 GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.  
 APPLICANT: Beresini, Maureen  
 APPLICANT: Deforge, Laura

APPLICANT: Desnoyers, Luc  
 APPLICANT: Filvaroff, Ellen  
 APPLICANT: Gao, Wei-Qiang  
 APPLICANT: Gerritsen, Mary E.  
 APPLICANT: Goddard, Audrey  
 APPLICANT: Godowski, Paul J.  
 APPLICANT: Gurney, Austin L.  
 APPLICANT: Sherwood, Steven  
 APPLICANT: Smith, Victoria  
 APPLICANT: Stewart, Timothy A.  
 APPLICANT: Tuma, Daniel  
 APPLICANT: Watanabe, Colin K.  
 APPLICANT: Wood, William  
 APPLICANT: Zhang, Zemin  
 TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 FILE REFERENCE: P333031C228  
 CURRENT APPLICATION NUMBER: US/10/143,118  
 PRIOR FILING DATE: 2002-05-09  
 PRIOR APPLICATION removed - See Palm or File Wrapper  
 NUMBER OF SEQ ID NOS: 550  
 SEQ ID NO 544  
 LENGTH: 888  
 TYPE: PRT  
 ORGANISM: Homo Sapien  
 US-10-143-118-544

Query Match 20.0%; Score 83.5; DB 12; Length 888;  
 Best Local Similarity 35.4%; Pred. No. 7.9;  
 Matches 28; Conservative 7; Mismatches 33; Indels 11; Gaps 5;

QY 1 GTH-----SLPRPAVVPRLMOPGPAHPLYSLR-P-SMD-----LVSAPYSLPLAPISPT 51  
 DB 698 GPHDLDSGLPTPEQTLPOKRLPTP-HPHPHALGPRAWHGHLPLPASASSLLILAFA 756

QY 52 SVPISPVSVGRGPPDPDAH 70  
 DB 757 RAPEQPPAPGE-PTPDGRL 774

RESULT 15  
 US-10-144-993-544  
 Sequence 544; Application US/10144993  
 Publication No. US20040038336A1  
 GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.  
 APPLICANT: Beresini, Maureen  
 APPLICANT: Deforge, Laura  
 APPLICANT: Desnoyers, Luc  
 APPLICANT: Filvaroff, Ellen  
 APPLICANT: Gao, Wei-Qiang  
 APPLICANT: Gerritsen, Mary E.  
 APPLICANT: Goddard, Audrey  
 APPLICANT: Godowski, Paul J.  
 APPLICANT: Gurney, Austin L.  
 APPLICANT: Sherwood, Steven  
 APPLICANT: Smith, Victoria  
 APPLICANT: Stewart, Timothy A.  
 APPLICANT: Tuma, Daniel  
 APPLICANT: Watanabe, Colin K.  
 APPLICANT: Wood, William  
 APPLICANT: Zhang, Zemin  
 TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 FILE REFERENCE: P333031C261  
 CURRENT APPLICATION NUMBER: US/10/144,993  
 PRIOR FILING DATE: 2002-05-13  
 PRIOR APPLICATION removed - See File Wrapper or Palm  
 NUMBER OF SEQ ID NOS: 550  
 SEQ ID NO 544  
 LENGTH: 888  
 TYPE: PRT  
 ORGANISM: Homo Sapien

US-10-144-993-544

Query Match 20.0%; Score 83.5; DB 12; Length 888;  
 Best Local Similarity 35.4%; Pred. No. 7.9;  
 Matches 28; Conservative 7; Mismatches 33; Indels 11; Gaps 5;

Qy	1	GTH----	SLPRPAVPEVLEMQGPAHPTLSLRP-SMD----	LVSAPYSLPLAPISPT	51
Db	698	GPHLDSDGLPTPEQTPLPQRLPTP-HPHALGPRAWDHGHPLIPASASSLLIAPA			756
Qy	52	SVPISEVSVYGRGPPDPANV			70
Db	757	RAPEQPAPE-PTPDGRL			774

Search completed: June 4, 2004, 10:51:08  
 Job time : 12.3735 secs

Fri Jun 4 11:10:11 2004

us-09-234-208b-1.ra1

Page 1

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: June 4, 2004, 10:36:26 ; Search time 5.23494 Seconds  
(without alignments)  
779.083 Million cell updates/sec

Title: US-09-234-208B-1

Sequence: 1 GTHSLPRPAAPVPLRMQP.....VGRGPDPAHVAVNLRYEG 79

Scoring table: BLOSUM62  
Gapop 10.0, Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:\*  
1: /cgn2\_6/prodata/2/1aa/5A\_COMB.pep:\*  
2: /cgn2\_6/prodata/2/1aa/5B\_COMB.pep:\*  
3: /cgn2\_6/prodata/2/1aa/6A\_COMB.pep:\*  
4: /cgn2\_6/prodata/2/1aa/6B\_COMB.pep:\*  
5: /cgn2\_6/prodata/2/1aa/PCPUS\_COXB.pep:\*  
6: /cgn2\_6/prodata/2/1aa/backfile1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	418	100.0	79	4 US-09-630-155-1	Sequence 1, Appl1
2	418	100.0	419	4 US-09-630-155-2	Sequence 2, Appl1
3	83.5	20.0	886	4 US-09-077-940A-4	Sequence 4, Appl1
4	81.5	19.5	1257	4 US-08-340-428B-49	Sequence 49, Appl1
5	81	19.4	158	4 US-09-252-991A-24956	Sequence 24956, A
6	79	18.9	195	4 US-09-252-991A-29314	Sequence 29314, A
7	77	18.4	122	4 US-09-462-606-65	Sequence 65, Appl1
8	74	18.4	546	4 US-09-252-991A-19122	Sequence 19122, A
9	74	17.7	495	4 US-09-252-991A-31949	Sequence 31949, A
10	73.5	17.6	887	4 US-09-077-940A-2	Sequence 2, Appl1
11	72	17.2	183	4 US-09-489-039A-12842	Sequence 12842, A
12	72	17.2	203	4 US-09-543-681A-8287	Sequence 8287, Ap
13	72	17.2	440	4 US-08-430-286A-9	Sequence 12, Appl1
14	71.5	17.1	604	4 US-08-468-576B-12	Sequence 12, Appl1
15	71.5	17.1	604	4 US-08-468-579B-12	Sequence 12, Appl1
16	71.5	17.1	604	4 US-08-468-579B-12	Sequence 12, Appl1
17	71.5	17.1	2441	1 US-08-194-468-2	Sequence 2, Appl1
18	71.5	17.1	2441	1 US-08-961-739-2	Sequence 2, Appl1
19	71.5	17.1	2441	4 US-09-514-347A-8	Sequence 8, Appl1
20	71.5	17.1	2441	4 US-09-566-315-2	Sequence 2, Appl1
21	71	17.0	803	4 US-08-252-991A-30479	Sequence 30479, A
22	70	16.7	2321	4 US-09-230-652-2	Sequence 11, Appl1
23	69.5	16.6	344	4 US-09-147-236-11	Sequence 11, Appl1
24	69.5	16.6	344	4 US-09-522-474-11	Sequence 11, Appl1
25	69.5	16.6	432	1 US-08-615-170-21	Sequence 19, Appl1
26	69.5	16.6	432	1 US-08-615-170-19	Sequence 58, Appl1
27	68.5	16.4	115	3 US-09-461-697-58	

28	68.5	16.4	132	3 US-09-461-697-54	Sequence 54, Appl1
29	68.5	16.4	139	3 US-09-461-697-52	Sequence 52, Appl1
30	68.5	16.4	159	3 US-09-461-697-48	Sequence 48, Appl1
31	68.5	16.4	221	4 US-09-252-991A-26404	Sequence 26404, A
32	68	16.3	325	4 US-09-252-991A-26580	Sequence 26580, A
33	68	16.3	2972	4 US-09-579-181-2	Sequence 2, Appl1
34	68	16.3	1118	3 US-09-579-181-1	Sequence 1, Appl1
35	67.5	16.1	123	3 US-08-840-316-3	Sequence 3, Appl1
36	67.5	16.1	123	3 US-08-478-507-9	Sequence 9, Appl1
37	67.5	16.1	123	3 US-08-809-523-3	Sequence 3, Appl1
38	67.5	16.1	123	3 US-09-128-275A-9	Sequence 9, Appl1
39	67.5	16.1	123	3 US-08-471-971-3	Sequence 3, Appl1
40	67.5	16.1	123	4 US-09-553-427-9	Sequence 9, Appl1
41	67.5	16.1	123	4 US-09-462-606-13	Sequence 13, Appl1
42	67.5	16.1	123	4 US-09-462-606-59	Sequence 59, Appl1
43	67.5	16.1	123	4 US-09-462-606-60	Sequence 60, Appl1
44	67.5	16.1	123	4 US-09-462-606-62	Sequence 62, Appl1
45	67.5	16.1	123	4 US-09-462-606-63	Sequence 63, Appl1

#### ALIGNMENTS

RESULT 1  
US-09-630-155-1  
Sequence 1, Application US/09630155  
Patent No. 6414130  
GENERAL INFORMATION:  
APPLICANT: Doherty, Joni Kristin and Gail M. Clinton  
TITLE OF INVENTION: HER-2 BINDING ANTAGONISTS  
NUMBER OF SEQUENCES: 9  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: DAVIS WRIGHT TREMINE LLP  
STREET: 1501 Fourth Avenue, 2600 Century Square  
CITY: Seattle  
STATE: Washington  
COUNTRY: U.S.A.  
ZIP: 98101  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: PC compatible  
OPERATING SYSTEM: Windows95  
SOFTWARE: Word  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/630,155  
FILING DATE: 16-Jan-2001  
CLASSIFICATION: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Davison, Barry L.  
REGISTRATION NUMBER: 47,309  
REFERENCE/DOCKET NUMBER: 49321-10  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 206 628-7621  
TELEFAX: 206 628-7659  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 79  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: unknown  
MOLECULE TYPE: HER-2 ECD antagonist  
SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
US-09-630-155-1  
Query Match 100.0%; Score 418; DB 4; Length 79;  
Best Local Similarity 100.0%; Pred. No. 8.7e-42;  
Matches 79; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 GTHSLPRPAAPVPLRMQGPAPPLSLRSMPLVSAFSLPLAPSPSPVPSV 60  
DB 1 GTHSLPRPAAPVPLRMQGPAPPLSLRSMPLVSAFSLPLAPSPSPVPSV 60  
QY 61 GRGPDPAHVAVNLRYEG 79

Db 61 GRGPDPAHVAVNLSRYEG 79

## RESULT 2

US-09-630-155-2

Sequence 2, Application US/09630155

Patent No. 6414130

## GENERAL INFORMATION:

APPLICANT: Doherty, Joni Kristin and Gail M. Clinton

TITLE OF INVENTION: HER-2 BINDING ANTAGONISTS

NUMBER OF SEQUENCES: 9

CORRESPONDENCE ADDRESS:

ADDRESSEE: DAVIS WRIGHT TREMPER LLP

STREET: 1501 Fourth Avenue, 2600 Century Square

CITY: Seattle

STATE: Washington

COUNTRY: U.S.A.

ZIP: 98101

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: PC compatible

OPERATING SYSTEM: Windows95

SOFTWARE: Word

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/630,155

FILING DATE: 16-Jan-2001

CLASSIFICATION: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Davison, Barry L.

REGISTRATION NUMBER: 47,309

REFERENCE/DOCKET NUMBER: 49321-10

TELECOMMUNICATION INFORMATION:

TELEPHONE: 206 628-7621

TELEFAX: 206 628-7699

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 419

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: unknown

MOLECULE TYPE: polypeptide

SEQUENCE DESCRIPTION: SEQ ID NO: 2:

US-09-630-155-2

Query Match 100.0%; Score 418; DB 4; Length 419;

Best Local Similarity 100.0%; Pred. No. 7.1e-41;

Matches 79; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTHTLPPAAVVPPLRMQGPAPVLSFLRPSMDLVSAFYSLPLAPLSPTSVIPSVY 60

DB 341 GHTSLPPRAAVVPPLRMQGPAPVLSFLRPSMDLVSAFYSLPLAPLSPTSVIPSVY 400

QY 61 GRGPDPAHVAVNLSRYEG 79

DB 401 GRGPDPAHVAVNLSRYEG 419

US-09-077-940A-4

Sequence 4, Application US/09077940A

Patent No. 6576441

GENERAL INFORMATION:

APPLICANT: Kimura, Toru et al.

TITLE OF INVENTION: NOVEL SEMAPHORIN 2 AND GENE ENCODING THE SAME

FILE REFERENCE: 0020-4426P

CURRENT APPLICATION NUMBER: US/09/077,940A

CURRENT FILING DATE: 1998-06-05

NUMBER OF SEQ ID NOS: 20

SOFTWARE: PatentIn version 3.1

SEQ ID NO 4

LENGTH: 888

TYPE: PRT

ORGANISM: Homo sapiens

US-09-077-940A-4

Query Match 20.0%; Score 83.5; DB 4; Length 888;

Best Local Similarity 35.4%; Pred. No. 0.22;

Matches 28; Conservative 7; Mismatches 33; Indels 11; Gaps 5;

QY 1 GTH---SLPPRAAVVPPLRMQGPAPVLSFLRPSMDLVSAFYSLPLAPLSPTSVIPSVY 51

DB 698 GPHLDGSLPTEQPTLPQKRLPTP-HPHPLAGRAMDHGPTLPASASSSLLILAPA 756

QY 52 SVPLSPVYGRGPPDPAHV 70

DB 757 RAEQPPAPGE-PPDGRLL 774

## RESULT 4

US-08-340-428B-49

Sequence 49, Application US/08340428B

Patent No. 5648465

GENERAL INFORMATION:

APPLICANT: MARGOLIS, Richard U.

APPLICANT: RAUCH, Uwe

TITLE OF INVENTION: CLONING, EXPRESSION AND USES FOR A

NUMBER OF SEQUENCES: 49

CORRESPONDENCE ADDRESS:

ADDRESSEE: Browdy and Neimark

STREET: 419 Seventh Street, N.W.

CITY: Washington

STATE: D.C.

COUNTRY: U.S.A.

ZIP: 20004

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/340,428B

FILING DATE: 14 No. 5648465ember 1994

CLASSIFICATION: 514

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/922,911

FILING DATE: 03 August 1992

CLASSIFICATION: 514

ATTORNEY/AGENT INFORMATION:

NAME: Browdy, Roger L.

REGISTRATION NUMBER: 25,618

REFERENCE/DOCKET NUMBER: Margolis=1A

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-628-5197

TELEFAX: 202-737-3528

INFORMATION FOR SEQ ID NO: 49:

SEQUENCE CHARACTERISTICS:

LENGTH: 1257 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: peptide

US-08-340-428B-49

Query Match 19.5%; Score 81.5; DB 1; Length 1257;

Best Local Similarity 35.0%; Pred. No. 0.58;

Matches 28; Conservative 10; Mismatches 25; Indels 17; Gaps 5;

QY 4 SLPPRAAVVPPLRMQGP---PAHPVLSFLR-----PSMDLVSAFYSLPLAPLS--PT 51

DB 610 SLPPRAAVVLSLQSPDQSPDPFIVMLAPKXLLPHSTLVVNVSPIPSPASPLPS 669

QY 52 SVF-----ISPVSVGRGPPDP 67

DB 52 SVF-----ISPVSVGRGPPDP 67

QY 52 SVF-----ISPVSVGRGPPDP 67

DB 52 SVF-----ISPVSVGRGPPDP 67

Db 670 SYEEQAVRPVSPG-AEDPE 668

## RESULT 5

US-09-252-991A-24956  
; Sequence 24956, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252.991A  
; PRIOR FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074.788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094.190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 24956  
; LENGTH: 158  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-24956

Query Match 19.4%; Score 81; DB 4; Length 158;  
Best Local Similarity 36.2%; Pred. No. 0.049;  
Matches 25; Conservative 8; Mismatches 28; Indels 8; Gaps 3;

QY 6 LPRP-----AAVPLRMQGPAPVLSFLRPSMDVSAFYSLPL-APLPTSVPISPV 58  
Db 87 LPSDPPPPPLSLPFLPLPLPLPLPLPLPFPSPSSSPSSSLPLPLPSPPLPLPL 146

QY 59 SV-GRGDP 66  
Db 147 SLSSSSPSP 155

## RESULT 6

US-09-252-991A-29314  
; Sequence 29314, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252.991A  
; PRIOR FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074.788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094.190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 29314  
; LENGTH: 195  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-29314

Query Match 18.9%; Score 79; DB 4; Length 195;  
Best Local Similarity 37.9%; Pred. No. 0.11;  
Matches 25; Conservative 1; Mismatches 30; Indels 10; Gaps 3;

QY 1 GTHSLPRPAVPVFLRMQGPAPVLSFLRPSMDVSAFYSLPLAPLSPTSVPISPV 60  
Db 19 GLHTARPAVDP---QPA-RHGPVVRP-----RAAPQAGPALPLRTPTLPGRH 68

QY 61 GRGDP 66  
Db 69 GRODP 74

## RESULT 7

US-09-462-606-65  
; Sequence 65, Application US/09462606  
; Patent No. 6432408  
; GENERAL INFORMATION:  
; APPLICANT: MENG, XIANG-JIN  
; APPLICANT: Emerson, Suzanne U.  
; APPLICANT: Purcell, Robert H.  
; TITLE OF INVENTION: A SWINE HEPATITIS E VIRUS AND USES THEREOF  
; FILE REFERENCE: 20264267US1  
; CURRENT APPLICATION NUMBER: US/09/462.606  
; CURRENT FILING DATE: 2000-06-12  
; PRIOR APPLICATION NUMBER: US 60/053069  
; PRIOR FILING DATE: 1997-07-18  
; PRIOR APPLICATION NUMBER: PCT/US98/14665  
; PRIOR FILING DATE: 1998-07-17  
; NUMBER OF SEQ ID NOS: 65  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 65  
; LENGTH: 122  
; TYPE: PRT  
; ORGANISM: Hepatitis E virus  
US-09-462-606-65

Query Match 18.4%; Score 77; DB 4; Length 122;  
Best Local Similarity 36.1%; Pred. No. 0.1;  
Matches 22; Conservative 10; Mismatches 23; Indels 6; Gaps 3;

QY 1 GTHSLPRPAVPVFLRMQGPAPVLSFLRPSMDVSAFYSLPLAPL---SPTSVPISP 57  
Db 55 GVTGLTSPS--SPFIFIQTPSLP-MSFHNKGLERALDSRAPLAPLGLVTSPSPAPLP 111

QY 58 V 58  
Db 112 V 112

## RESULT 8

US-09-252-991A-19122  
; Sequence 19122, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252.991A  
; PRIOR FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074.788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094.190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 19122  
; LENGTH: 546  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-19122

Query Match 18.4%; Score 77; DB 4; Length 546;  
Best Local Similarity 31.2%; Pred. No. 0.68;  
Matches 24; Conservative 14; Mismatches 25; Indels 14; Gaps 4;

QY 3 HSLPRPAVPVFLRMQGPAPVLSFLRPSMDVSAFYSLPLAPLSPTSVPISPV 61  
Db 42 HALVGRGQLPLALRFPG--YVAL-----QVGLLQGLPARPVAPGAVOPARILRG 92

QY 62 R-----GPDPAVAVNL 74  
Db 93 RGLAGAGHRAHGVAV 109

## RESULT 9

US-09-252-991A-31949  
; Sequence 31949, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252,991A  
; CURRENT FILING DATE: 1999-02-18  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 31949  
; LENGTH: 495  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-31949

Query Match 17.7%; Score 74; DB 4; Length 495;  
Best Local Similarity 39.1%; Pred. No. 1.4;  
Matches 25; Conservative 9; Mismatches 24; Indels 6; Gaps 4;

QY 8 RPAVAVPLRMQGPAPVLSFL--RPSMDVSAFSLPLAPLSPTSVISVSGRGDP 65  
DB 284 RPAVAVPLRMQGPAPVLSFL--RPSMDVSAFSLPLAPLSPTSVISVSGRGDP 65

QY 66 PDAH 69  
DB 340 PDAH 343

RESULT 10  
US-09-077-940A-2  
; Sequence 2, Application US/09077940A  
; Patent No. 6576441  
; GENERAL INFORMATION:  
; APPLICANT: KIMURA, Toru et al.  
; TITLE OF INVENTION: NOVEL SEMAPHORIN Z AND GENE ENCODING THE SAME  
; FILE REFERENCE: 0020-4426P  
; CURRENT APPLICATION NUMBER: US/09/077,940A  
; CURRENT FILING DATE: 1998-06-05  
; NUMBER OF SEQ ID NOS: 20  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO 2  
; LENGTH: 887  
; TYPE: PRT  
; ORGANISM: Rattus norvegicus  
US-09-077-940A-2

Query Match 17.6%; Score 73.5; DB 4; Length 887;  
Best Local Similarity 36.0%; Pred. No. 3.2; 31; Indels 11; Gaps 5;  
Matches 27; Conservative 6; Mismatches 31; Indels 11; Gaps 5;

QY 1 GTG---SILPRAVAVPLRMQGPAPVLSFL--RPSMDVSAFSLPLAPLSPTSVISVSGRGDP 51  
DB 699 GTG---SILPRAVAVPLRMQGPAPVLSFL--RPSMDVSAFSLPLAPLSPTSVISVSGRGDP 51

QY 52 SVIS-PSVSGRGDP 65  
DB 758 RAEQPPVPTESGPE 772

RESULT 11  
US-09-489-039A-12842  
; Sequence 12842, Application US/09489039A  
; Patent No. 6610636  
; GENERAL INFORMATION:  
; APPLICANT: Gary Bretton et. al  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA  
; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS

; FILE REFERENCE: 2709, 2004001  
; CURRENT APPLICATION NUMBER: US/09/489,039A  
; CURRENT FILING DATE: 2000-01-27  
; PRIOR APPLICATION NUMBER: US 60/117,747  
; PRIOR FILING DATE: 1999-01-29  
; NUMBER OF SEQ ID NOS: 14342  
; SEQ ID NO 12842  
; LENGTH: 183  
; TYPE: PRT  
; ORGANISM: Klebsiella pneumoniae  
US-09-489-039A-12842

Query Match 17.2%; Score 72; DB 4; Length 183;  
Best Local Similarity 23.8%; Pred. No. 0.66;  
Matches 30; Conservative 8; Mismatches 30; Indels 58; Gaps 5;

QY 4 SILPRAVAVPLRMQGPAPVLSFL--RPSMDVSAFSLPLAPLSPTSVISVSGRGDP 65  
DB 23 SILPRAVAVPLRMQGPAPVLSFL--RPSMDVSAFSLPLAPLSPTSVISVSGRGDP 65

QY 34 WDLVSAFSLPLAPLSPTSVISVSGRGDP 66  
DB 83 WDLVSAFSLPLAPLSPTSVISVSGRGDP 66

QY 67 DAHVAV 72  
DB 142 VSHVTL 147

RESULT 12  
US-09-543-681A-8287  
; Sequence 8287, Application US/09543681A  
; Patent No. 6605709  
; GENERAL INFORMATION:  
; APPLICANT: GARY BRETON  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRAE  
; FILE REFERENCE: 2709, 1002-001  
; CURRENT APPLICATION NUMBER: US/09/543,681A  
; CURRENT FILING DATE: 2000-04-05  
; PRIOR APPLICATION NUMBER: US 60/128,706  
; PRIOR FILING DATE: 1999-04-05  
; NUMBER OF SEQ ID NOS: 8344  
; SEQ ID NO 8287  
; LENGTH: 203  
; TYPE: PRT  
; ORGANISM: Proteus mirabilis  
; FEATURE:  
; NAME/KEY: UNSURE  
; LOCATION: (14), (15), (16), (17), (18), (19), (20), (21), (22), (23), (24), (25), (26), (27), (28), (29), (30), (31), (32), (33), (34), (35), (36), (37), (38), (39), (40), (41), (42), (43), (44), (45), (46), (47), (48), (49), (50), (51), (52), (53), (54), (55), (56), (57), (58), (59), (60), (61), (62), (63), (72), (78)  
; LOCATION: (79), (89), (90), (103)  
; OTHER INFORMATION: Identity of amino acid at the above locations are unknown.  
US-09-543-681A-8287

Query Match 17.2%; Score 72; DB 4; Length 203;  
Best Local Similarity 35.8%; Pred. No. 0.76;  
Matches 19; Conservative 4; Mismatches 26; Indels 4; Gaps 1;

QY 7 PRAVAVPLRMQGPAPVLSFL--RPSMDVSAFSLPLAPLSPTSVISVSGRGDP 59  
DB 91 PRAVAVPLRMQGPAPVLSFL--RPSMDVSAFSLPLAPLSPTSVISVSGRGDP 59

RESULT 13  
US-08-430-286A-9  
; Sequence 9, Application US/08430286A  
; Patent No. 6225080  
; GENERAL INFORMATION:  
; APPLICANT: Uni, George R.  
; APPLICANT: Apple, C. Mark

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APPLICANT: Kang, Jai-bei
TITLE OF INVENTION: Mu-Subtype Opioid Receptor
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESS: Darby & Darby PC
STREET: 805 Third Avenue
CITY: New York
STATE: New York
COUNTRY: US
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/430,286A
FILING DATE: 28-APR-1995
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Robinson, Joseph R.
REGISTRATION NUMBER: 33,448
REFERENCE/DOCKET NUMBER: 0646/1A843-US5
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-527-7700
TELEFAX: 212-753-6237
TELEX: 236687
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 440 amino acids
TYPE: amino acid
STRANDNESS: single
TOPOLOGY: linear
FRAGMENT TYPE: N-terminal
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
IMMEDIATE SOURCE:
CLONE: OPB-R
US-08-430-286A-9

Query Match 17.2% Score 72; DB 3; Length 440;
Best Local Similarity 45.2%; Pred. No. 2;
Matches 19; Conservative 5; Mismatches 10; Indels 8; Gaps 3;

Cy 2 THSLPRAAVPVLKQGPAPHLPLSLRPSMDIVSAFYSL 43
Db 32 TRSPSPASWTPSP---RPGPAHP---FLQPPMAV--ALWSL 65

RESULT 14
US-08-468-576B-12
Sequence 12, Application US/08468576B
Patent No. 5955345
GENERAL INFORMATION:
APPLICANT: Rabin, Daniel
TITLE OF INVENTION: PANCREATIC ISLET CELL ANTIGENS
TITLE OF INVENTION: OBTAINED BY MOLECULAR CLONING
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESS: Sprung Kramer Schaefer & Briscoe
STREET: 660 White Plains Road
CITY: Tarrytown
STATE: New York
COUNTRY: USA
ZIP: 10591-5144
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.4 Mb storage
COMPUTER: Apple Macintosh
OPERATING SYSTEM: System 7.5
SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/468,576B
FILING DATE: 06-JUN-1995

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CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/239,276
FILING DATE: 05-MAY-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/872,646
FILING DATE: 08-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/715,181
FILING DATE: 14-JUN-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/441,703
FILING DATE: 04-DEC-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/312,543
FILING DATE: 17-FEB-1989
ATTORNEY/AGENT INFORMATION:
NAME: Kurt G. Briscoe
REGISTRATION NUMBER: 33,141
REFERENCE/DOCKET NUMBER: MDI 251.7-KGB
TELECOMMUNICATION INFORMATION:
TELEPHONE: (914) 332-1700
TELEFAX: (914) 332-1844
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 604 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-468-576B-12

Query Match 17.1% Score 71.5; DB 2; Length 604;
Best Local Similarity 34.8%; Pred. No. 3.4;
Matches 23; Conservative 13; Mismatches 27; Indels 3; Gaps 2;

Cy 10 AAVPVPLKQGPAPHLPLSLRPSMDIVSAFYSLPLAPLSPTVPIPVV--SVRGGDDPD 67
Db 421 AAOPLNLSSRPKTAEPKSPSTPTOMLPKSKTSPVNLPMKSSIP--SPIGSGIGGSSLD 479

Cy 68 AHAVN 73
Db 480 ILSSIN 485

RESULT 15
US-08-468-579B-12
Sequence 12, Application US/08468579B
Patent No. 5981700
GENERAL INFORMATION:
APPLICANT: Rabin, Daniel
TITLE OF INVENTION: PANCREATIC ISLET CELL ANTIGENS
TITLE OF INVENTION: OBTAINED BY MOLECULAR CLONING
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESS: Sprung Kramer Schaefer & Briscoe
STREET: 660 White Plains Road
CITY: Tarrytown
STATE: New York
COUNTRY: USA
ZIP: 10591-5144
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.4 Mb storage
COMPUTER: Apple Macintosh
OPERATING SYSTEM: System 7.5
SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/468,579B
FILING DATE: 06-JUN-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/239,276
FILING DATE: 05-MAY-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/872,646
FILING DATE: 08-JUN-1992

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us-09-234-208b-1.ra1

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1 FILING DATE: 08-JUN-1992  
 2 PRIOR APPLICATION DATA:  
 3 APPLICATION NUMBER: US 07/715,181  
 4 FILING DATE: 31-JUN-1991  
 5 PRIOR APPLICATION DATA:  
 6 APPLICATION NUMBER: US 07/441,703  
 7 FILING DATE: 04-DEC-1989  
 8 PRIOR APPLICATION DATA:  
 9 APPLICATION NUMBER: US 07/312,543  
 10 APPLICATION NUMBER: US 07/312,543  
 11 FILING DATE: 17-FEB-1989  
 12 ATTORNEY/AGENT INFORMATION:  
 13 NAME: Kurt G. Briscoe  
 14 REGISTRATION NUMBER: 33,141  
 15 REFERENCE/DOCKET NUMBER: MDI 251.5-KOE8  
 16 TELECOMMUNICATION INFORMATION:  
 17 TELEPHONE: (914) 332-1700  
 18 TELEFAX: (914) 332-1844  
 19 INFORMATION FOR SEQ ID NO: 12:  
 20 SEQUENCE CHARACTERISTICS:  
 21 LENGTH: 604 amino acids  
 22 TYPE: amino acid  
 23 TOPOLOGY: linear  
 24  
 25 US-08-468-579B-12

Query Match	17.1%	Score	71.5	DB	2	Length	604
Best Local Similarity	34.8%	Pred.	No. 3.4				
Matches	23	Conservative	13	Mismatches	27	Indels	3
						Gaps	2

QY 10 AAATVPEPRMOPGPAHPTPLSLRPSMDLVSFAFSLPLAPSPVSISSV--SVGRGDDPD 67  
 Db 421 AAGTGLTSSSPKTAPEPKSPSTPTQNLFAASTSPVNLNPKSSII-SPIGGSLARGSLD 479  
 QY 68 AHAVAVN 73  
 Db 480 ILTSLN 495

Search completed: June 4, 2004, 10:42:52  
Job time : 5.23494 secs